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6281

# BUCHANAN'S

SEEDS *for* 1935



R.B.BUCHANAN SEED CO.

BUCK BRAND TESTED SEEDS

18 S. FRONT ST.

MEMPHIS, TENN.

# BUCHANAN'S AMERICAN GROWN ALFALFA SEED



ALFALFA IN BLOOM

See descriptions, several varieties, Page 58

## ALFALFA WILL PRODUCE MORE CHOICE FEED PER ACRE THAN WILL ANY OTHER CROP

Three tons of dry alfalfa hay per acre is a fair yearly yield in regions of light rainfall and short growing season.

The yield should be more than three tons per acre where there is abundant rainfall and a long growing season.

Alfalfa and corn fed together make a good ration for all live stock—Alfalfa belongs on every farm—for hog pasture; hay for the dairy herd, family cow or chickens. For sheep and beef cattle, no other roughage is equal to alfalfa hay.

When comparing alfalfa with other crops, remember one sowing of alfalfa may last five years and it usually doesn't have to be cultivated.

Alfalfa lives several years if not pastured too close. There is always a fresh growth coming during the growing season.

Alfalfa is weakened and its life shortened by pasturing too young, too close, or late in the fall or winter. Taking off the fall growth exposes alfalfa so it sometimes winter-kills. Better not pasture alfalfa the same year it is sowed.

Chickens like alfalfa pasture. Unless they have considerable range the chickens will keep the alfalfa so closely cropped that new shoots have but little chance to grow. When alfalfa is used for chicken pasture, have plenty of it so it will last longer.

Finely cut, steamed alfalfa hay with plenty of leaves is a choice feed to add variety to the winter ration for laying hens.

Finely cut alfalfa hay makes good litter for brooder houses. Mouldy alfalfa is not good for either poultry feed or litter.

Alfalfa is a perennial legume belonging to the same family as peas, beans, and clover, it is also the oldest forage plant known.

The best soils on the farm should be selected for the alfalfa field. It is practically useless to attempt to grow the crop on non-productive lands.

It is best to precede alfalfa for a year or two with some cultivated crop, such as corn, potatoes, or cotton, to free the land from weeds. The ideal seed bed is a well-settled sub-surface with a fine surface that is loose to a depth of 2 inches.

Alfalfa should be sown early enough to permit the plants to become well established before winter sets in. The rate of sowing depends upon the condition of the soil. In the South, 25 to 35 pounds per acre is generally advised. Except under very favorable conditions, alfalfa should be sown without a nurse crop. Attempts to thicken up thin stands by resowing nearly always result in failure.

Alfalfa should be cut for hay when the plants are well in bloom.

Alfalfa hay and pasture are readily eaten by all classes of farm animals.

## PURCHASING SEED

Before buying alfalfa seed there are three points upon which the purchaser should have information: The name of the variety, the section of the country in which it was produced, and the quality of the seed with regard both to germination and purity. It is important, therefore, that dealings be had only with thoroughly reliable and intelligent seedsmen.

The viability of the seed, or its ability to germinate, is quite clearly indicated in its appearance. Plump seeds of a bright olive-green color almost invariably germinate well, while shriveled seeds or seeds that are of a brownish color germinate poorly.

## CHOOSING A FIELD FOR ALFALFA

In selecting land for alfalfa, careful consideration should be given to the texture of the soil, its productivity, and drainage. Where possible, very sandy or very compact soils should be avoided.

## PREPARATION FOR ALFALFA

Alfalfa may be successfully grown after almost any crop, provided proper attention is given to the preparation of the soil after the preceding crop has been removed. In deciding upon the preceding crop, however, one should be chosen that fits best into the particular system of farming and at the same time leaves the land in good condition.

## PREPARING THE SEED BED

The tender nature of the young alfalfa plants requires that the soil be in excellent tilth at sowing time. Many of the failures to secure a good stand may be traced to a poorly prepared seed bed.

## LIMING

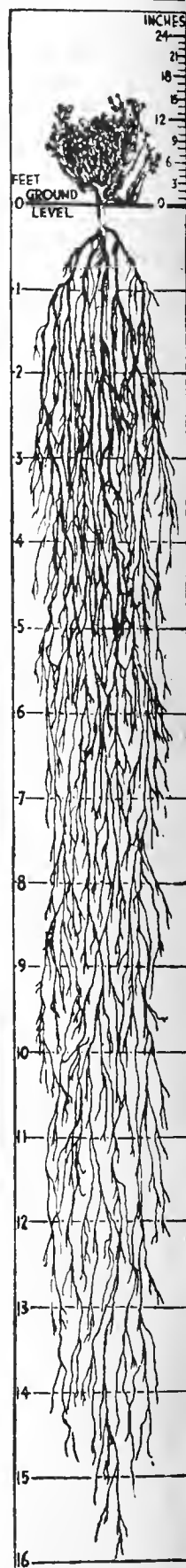
No other of our commonly grown forage crops requires so much lime as does alfalfa. It is necessary not only to have enough to neutralize the soil, but also an excess for the actual use of the plant.

## METHOD OF SOWING ALFALFA

The method of sowing varies considerably in different sections. It may be done with a grain drill with a seeder attachment, or with an alfalfa drill, or the seed may be broadcasted with a hand seeder, or by hand and covered with a light harrow, a weeder, or a brush drag.

Alfalfa is the only forage plant known which will send down its roots to moisture during a severe drouth like the one of 1934.

Alfalfa is the only forage plant that held its green color and survived the 1934 drouth of the north-west—the most disastrous drouth ever known in this country.



"... Roots of the alfalfa plant ... frequently are found to have penetrated the soil fifteen feet or more."



Form No. 6001

**POST OFFICE DEPARTMENT**  
**THIRD ASSISTANT POSTMASTER GENERAL**  
**DIVISION OF MONEY ORDERS**

**No.** \_\_\_\_\_

Stamp of Issuing Office

The Postmaster  
will insert

here \_\_\_\_\_  
the office drawn on, when the office named by  
the remitter in the body of this application is not a Money Order Office.

Spaces above this line are for the Postmaster's record, to be filled in by him

**Application for Domestic Money Order**

Spaces below to be filled in by purchaser, or, if necessary,  
by another person for him

Amount

\_\_\_\_\_ Dollars \_\_\_\_\_ Cents

**Pay to } R. B. Buchanan Seed Co., Inc.**  
**Order of }** \_\_\_\_\_

(Name of person or firm for whom order is intended)

**Whose } 18 South Front**  
**Address } Is } No. \_\_\_\_\_ Street**

**Post } MEMPHIS,**  
**Office } \_\_\_\_\_**

**TENNESSEE**

**State \_\_\_\_\_**

**Sent by \_\_\_\_\_**  
(Name of sender)

**No. \_\_\_\_\_ Street**  
**City } \_\_\_\_\_**  
**and } \_\_\_\_\_**  
**State } \_\_\_\_\_**

**PURCHASER MUST SEND ORDER AND COUPON TO PAYEE**  
**This Money Order Application Blank Is Enclosed**  
**For Your Convenience**

# Fees for Money Orders Drawn on Domestic Form

Payable in the United States, including Hawaii, Puerto Rico, and the United States Virgin Islands, or in Guam and Tutuila (Samoa); also for orders payable in Antigua, Bahamas, Barbados, Bermuda, British Guiana, British Honduras, British Virgin Islands, Canada, Canal Zone, Cuba, Dominica, Grenada, Jamaica, Montserrat, Nevis, Newfoundland, Philippine Islands, St. Kitts, St. Lucia, St. Vincent, and Trinidad and Tobago.

<b>For Orders</b>	From \$0.01 to \$2.50	6 cents.
	From \$2.51 to \$5.00	8 cents.
	From \$5.01 to \$10.00	11 cents.
	From \$10.01 to \$20.00	13 cents.
	From \$20.01 to \$40.00	15 cents.
	From \$40.01 to \$60.00	18 cents.
	From \$60.01 to \$80.00	20 cents.
	From \$80.01 to \$100.00	22 cents.

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## Memoranda of Issuing Postmaster:

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If order is purchased through Rural Carrier, he will fill spaces below:

Carriers receipt No. \_\_\_\_\_

\_\_\_\_\_, Carrier.

NOTE.—The maximum amount for which a single Money Order may be issued is \$100. When a larger sum is to be sent additional Orders must be obtained. Any number of Orders may be drawn on any Money Order office on any one day.

Applications must be preserved at the office of issue for three years from date of issue.

BUCHANAN'S 1935 ORDER BLANK

R. B. BUCHANAN SEED CO., MEMPHIS, TENN.

Gentlemen:—I am enclosing \$ for this order.

Ship to me by—Mail Express Freight
(Mark X in square for desired shipment)

Name Mr. Mrs. Miss
(If Mrs., kindly use husband's first name or initials, as Mrs. Sam B. Clark)

Postoffice State

Rural Box Express or
Route No. Freight office
(If Different from Your Post Office)

Street
Address

PLEASE DO NOT WRITE IN THIS SPACE
Date
Prices
Zone
Filled
Checked
Wt. P.
Shipped

REMEMBER: We do not pay postage on seeds quoted on our yellow wholesale price list in center of this book.
FREE FLOWER SEED: See offer on back of this Order Blank.
NOTICE: If goods are wanted C. O. D. 25 per cent. of amount must accompany the order. No plants shipped C.O.D.

E. B. Buchanan Seed Co. give no warranty, either express or implied, as to description, quality, productiveness or any other matter, of seeds, bulbs or plants they send out, and will not be in any way responsible for the crop

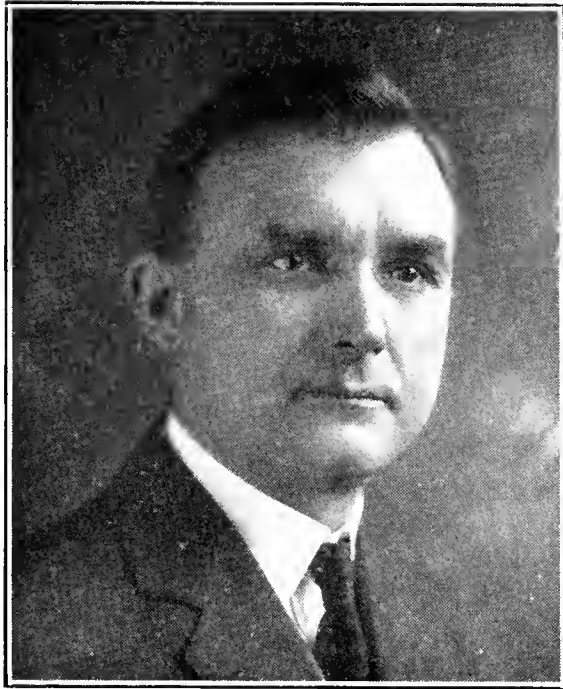
Table with 5 columns: QUANTITY, Number in Catalog, NAMES OF SEEDS OR OTHER ARTICLES WANTED, Clerk's Check Col., and PRICE (Dollars, Cents). Rows include items like BUCHANAN'S CRIMSON ZINNIA FREE, SPECIAL GLADIOLUS COLLECTION, EVERBLOOMING ROSE COLLECTION, BUCHANAN'S CALIFORNIA ZINNIAS, and a 2 1/2 YEARS SUBSCRIPTION TO PROGRESSIVE FARMER-SOUTHERN RURALIST.





# R.B.BUCHANAN SEED CO. MEMPHIS, TENNESSEE.

## BUCK BRAND TESTED SEEDS



R. B. BUCHANAN, SEEDSMAN

### TO YOU:

This catalogue will be paid for with a part of the money you send to us for seed. It is the most complete seed catalogue we have ever mailed, and was printed 100 per cent by the S. C. Toof Company of Memphis—I believe it is the only seed catalogue of its size, giving the information it does, mailed to Southern buyers that was printed 100 per cent in a Southern city—I believe it is the only seed catalogue of its size mailed into the South that has been printed in a Southern city every year for 20 years. I receive seed catalogues from every state in the U. S. A. and many foreign countries—have visited many large printing establishments in this country, and there are many large ones who do excellent work—none better than Toof's of Memphis.

Most of the money (about \$6,000.00 each year) that is paid for this catalogue goes to the officers, artists, typesetters, pressmen, linotype operators and many others of the 181 workers of Toof's who live and pay taxes in Memphis, many own property, many have worked for this firm 25 to 50 years—I am told the president has been with the firm 49 years—these workers spend a part of their money for the products of your farm—the

vegetables which you sell here on the Wholesale or Curb Market—the poultry and eggs sold in Memphis by the poultry farmer—the livestock sold here to the Memphis Packing Corporation. A part of this money is spent with Memphis merchants who employ Memphis help who in turn buy the above products of your farm, regardless of what type farming you are doing—if we sent your money up North or East to have this catalogue printed, it would not come back South to buy the products of your farm; always remember that keeping Southern money at home adds to the prosperity of all Southern people.

**BUYING SEEDS**—We must buy seeds before we can sell seeds, and we buy every pound of Southern grown seed from our customers that we can sell. Read page three and study map about our location.

**LONG DISTANCE PHONES**—The greatest modern business convenience: any phone operator can give you the L. D. rate from your station to Memphis—some of these rates are very reasonable and it is surprising how much time can be saved and the amount of information you can get in a three-minute conversation by phone. L. D. phone rates also found in telephone directory.

**BROADCASTING**—I have been broadcasting about three years and just began my 38th year selling seeds in Memphis, and expect to continue these five-minute broadcasts over WREC on Mondays and Wednesdays at 12:30 and WMC on Tuesdays and Thursdays at 12:45.

Having had many requests from agricultural teachers for information on small radios, I have listed two on page 62 of this catalogue—you will note regular cash price quoted. If any agricultural teacher wishes to make up the amount among his students to buy one of these radio sets at price given, he may start the list with my donation for \$3.00 or if you have a dealer who handles either of these radio sets, buy of him, pay all except \$3.00; I will mail him my check for the \$3.00.

### DIRECTIONS FOR ORDERING

**CASH WITH ORDER**—Please send money with order sufficient to cover the whole bill and remit by express, postal money order or check. We advise against C. O. D. orders because of delays and high collection charges, which are unsatisfactory to the customer and expensive to us if uncalled for and returned at our expense. We accept C. O. D. orders for seeds when 25 per cent of the order amount is paid in advance. The deposit is meant to cover collection and return charges in case the order is not called for and paid for by the customer.

**FREE DELIVERY BY MAIL**—We deliver free to any postoffice in the United States all Vegetable and Flower Seeds quoted in this catalogue. The Parcel Post delivery being so convenient for those living away from their postoffice, especially during their busy planting season, we have tried to quote all items in this Catalogue Post Paid in small quantities, and will quote any other items prepaid to you if you will use our Special Quotation Sheet and list the goods you want, saying you want all transportation charges paid to you.

**ERRORS**—While we exercise care in filling orders, yet in the press of business errors sometimes will be made, in which event we wish to be promptly notified of the fact and will make such corrections as will be entirely satisfactory. Customers should be very clear and explicit in making out all orders, and thereby help us to avoid errors. Please keep copies of all orders for comparison.

**PLANTS, BULBS AND SLIPS**—Plants, bulbs and slips are seldom forwarded on the same day with seeds ordered at the same time. They are packed separately and sometimes are delayed.

**NON-WARRANTY**—Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, and other unknown laws of Nature, which renders it impossible for us to guarantee success. We give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop, and every order for articles named in this catalogue will be executed on these conditions only.

**YOUR NAME AND ADDRESS**—Always be sure to give both; we have hundreds of orders, either unsigned or without address, awaiting identification. If you have not received the seeds you ordered, probably yours is among them.

**ORDER EARLY**—Owing to the severe drouth of 1934 many items of seed are unobtainable at this time, and it takes one year to grow seed, you cannot manufacture them as can be done with many articles of merchandise—Order Early.



JAN. 1, 1935.

*R. B. Buchanan*

President,

R. B. BUCHANAN SEED CO., INC.

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FOR QUANTITY PRICES—NOT PREPAID—See Yellow Sheet in Center of Catalogue





BUCK BRAND TESTED SEEDS

IT IS EASY TO FIGURE PARCEL POST

We quote all Seeds, Insecticides, Baby Chicks, and Poultry Supplies up to certain quantities, post paid. We also enclose in this catalogue our Yellow Sheet Price List, giving prices to those buying in larger quantities who wish to figure their postage or to have their goods come by Express, Truck, Railroad, or who come to our store for their goods.

The shipping weight is given on each article listed. Add the pounds and ounces, and change the ounces into full pounds (see table below). Then show the total weight of your order in pounds.

In figuring postage on packages weighing more than one pound, the Postoffice figures a fraction of a pound as a full pound. For example: If the total weight of your order is 7 pounds 2 ounces, it will take the 8-pound rate.

Total Ounces	Takes Rate for
9 oz. to 16 oz.....	1 lb.
17 oz. to 32 oz.....	2 lbs.
33 oz. to 48 oz.....	3 lbs.
49 oz. to 64 oz.....	4 lbs.
65 oz. to 80 oz.....	5 lbs.
—and so on. There are 16 ounces in each pound.	

When you have the total weight of your order and you know the zone in which you live, refer to the Parcel Post Rates on page 3 for the amount to include with your order for postage.

In most instances the amount required for postage can be determined very accurately in this way. In some cases the actual postage may be slightly more or less, due to variations in shipping weights or because certain items are packed and shipped separately to insure safe delivery. In all cases, however, you pay only for the actual amount of postage used.

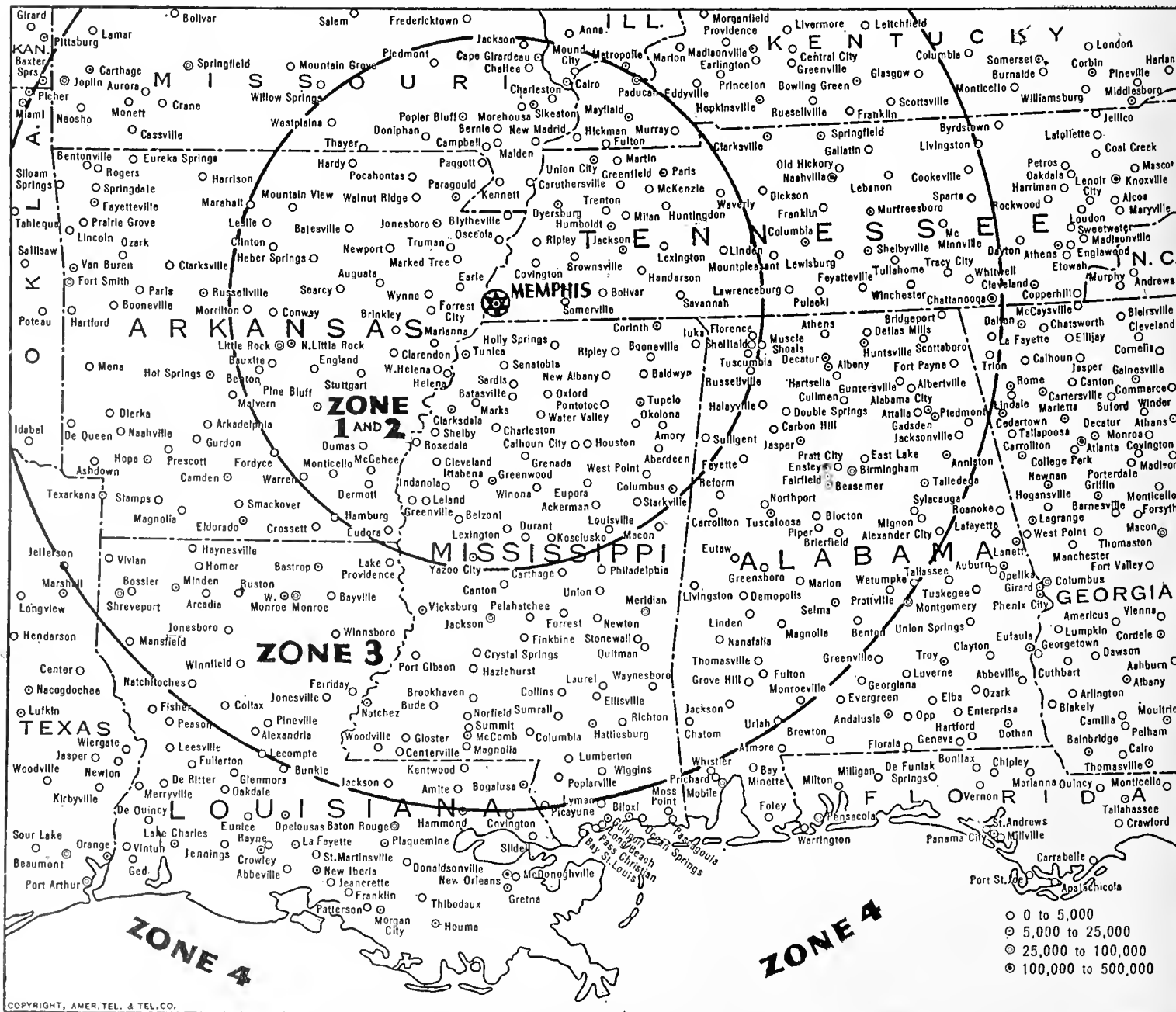
Packages weighing up to 70 pounds can be carried by Parcel Post in All Zones. All heavier and bulkier packages that cannot be shipped by parcel post can be shipped economically by freight, express or truck.

For special delivery or any other information regarding parcel post matters, ask your carrier or your postmaster.

LARGER ORDERS INCREASE SAVING

There is a decided advantage to you in sending larger orders, as the postage on several articles is often not much more than for one or two! For example: Postage on a 1-pound package to the Third Zone is 9c; while postage on a 10-pound package to the Third Zone is only 27c—less than 3c a pound. Larger orders reduce your transportation cost and increase your saving!

Parcel Post Zone Map from Memphis: Zones 1 and 2, not over 150 Miles; Zone 3, 151 to 300 Miles; Zone 4, 301 to 600 Miles. See also Parcel Post Rates, Page 3. See Yellow List Enclosed for Prices Not Prepaid.





R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

The Parcel Post Map on page 2 is a most complete map for the Memphis Trade Territory, and we are indebted to American Tel. & Tel. Company for its use.

By reading the instructions, studying and referring to the rate table below, you can easily figure your postage on any amount up to 70 pounds. See our Yellow Price List, enclosed, showing prices Not Prepaid.

Charges on parcel post shipments must be paid in advance. Add the amount for postage to the cost of merchandise and include it in your remittance when using yellow price list.

We always return every penny you send over actual postage.



Hear Mr. Buchanan's  
Five-Minute Talks  
WREC—Monday and  
Wednesday, 12:30.  
WMC—Tuesday and  
Thursday, 12:45.

The drawing below represents the uptown business section of Memphis; also the new Riverside Drive, just about completed. When open, you can drive over the Mississippi River bridge from Arkansas, up this drive to the foot of Monroe Avenue—there is enough space along the drive on the levee for parking about 3,000 cars, which puts you within two blocks of our store, 18 South Front Street, opposite the Cossitt Library and Postoffice; we are in one-half block of Union Planters National Bank and the Shrine Building—join Lowenstein's on Main and Monroe, and two blocks from Memphis' newest hotel—the Wm. Len, as shown on this map.

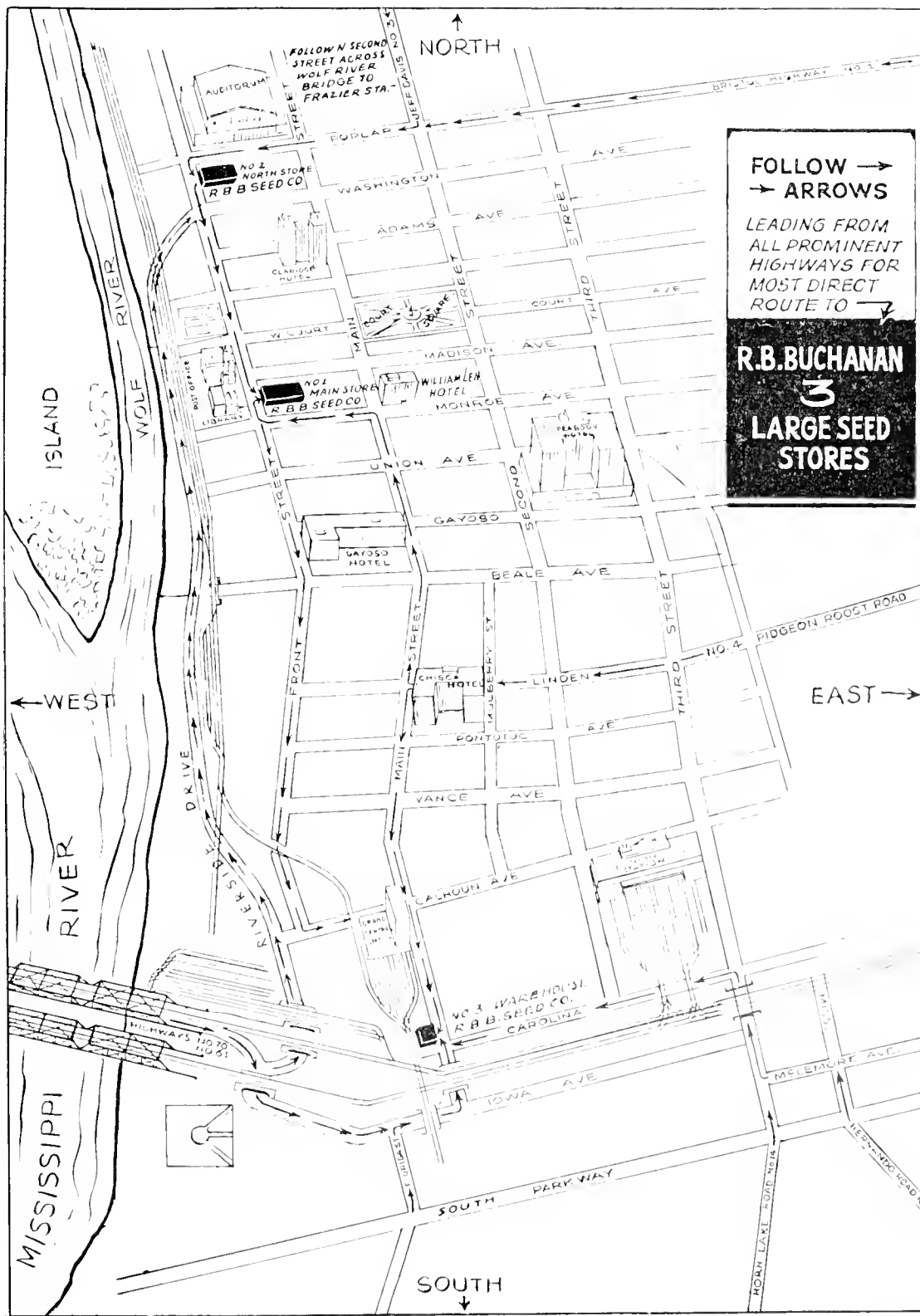
Coming in from the north, you turn into Riverside Drive at Washington Avenue—one block south of Auditorium on Front Street, near our Number 2 Store.

### Parcel Post Rates

2 ounces or less	1½c
3 or 4 ounces	3c
5 or 6 ounces	4½c
7 or 8 ounces	6c

The above rates apply to any zone. Over 8 ounces up to 1 pound (16 ounces) allow the 1-pound rate for your zone, according to the following table of rates.

Shipping Weight	Local Zone	Zones 1 & 2	Zone 3	Zone 4
1 lb.	7c	8c	9c	10c
2 lbs.	8c	10c	11c	14c
3 lbs.	8c	11c	13c	17c
4 lbs.	9c	12c	15c	21c
5 lbs.	9c	13c	17c	24c
6 lbs.	10c	14c	19c	28c
7 lbs.	10c	15c	21c	31c
8 lbs.	11c	16c	23c	35c
9 lbs.	11c	17c	25c	38c
10 lbs.	12c	18c	27c	42c
11 lbs.	12c	19c	29c	45c
12 lbs.	13c	21c	31c	49c
13 lbs.	13c	22c	33c	52c
14 lbs.	14c	23c	35c	56c
15 lbs.	14c	24c	37c	59c
16 lbs.	15c	25c	39c	63c
17 lbs.	15c	26c	41c	66c
18 lbs.	16c	27c	43c	70c
19 lbs.	16c	28c	45c	73c
20 lbs.	17c	29c	47c	77c
21 lbs.	17c	30c	49c	80c
22 lbs.	18c	32c	51c	84c
23 lbs.	18c	33c	53c	87c
24 lbs.	19c	34c	55c	91c
25 lbs.	19c	35c	57c	94c
26 lbs.	20c	36c	59c	98c
27 lbs.	20c	37c	61c	\$1.01
28 lbs.	21c	38c	63c	1.05
29 lbs.	21c	39c	65c	1.08
30 lbs.	22c	40c	67c	1.12
31 lbs.	22c	41c	69c	1.15
32 lbs.	23c	43c	71c	1.19
33 lbs.	23c	44c	73c	1.22
34 lbs.	24c	45c	75c	1.26
35 lbs.	24c	46c	77c	1.29
36 lbs.	25c	47c	79c	1.33
37 lbs.	25c	48c	81c	1.36
38 lbs.	26c	49c	83c	1.40
39 lbs.	26c	50c	85c	1.43
40 lbs.	27c	51c	87c	1.47
41 lbs.	27c	52c	89c	1.50
42 lbs.	28c	54c	91c	1.54
43 lbs.	28c	55c	93c	1.57
44 lbs.	29c	56c	95c	1.61
45 lbs.	29c	57c	97c	1.64
46 lbs.	30c	58c	99c	1.68
47 lbs.	30c	59c	\$1.01	1.71
48 lbs.	31c	60c	1.03	1.75
49 lbs.	31c	61c	1.05	1.78
50 lbs.	32c	62c	1.07	1.82
55 lbs.	34c	68c	1.17	1.99
60 lbs.	37c	73c	1.27	2.17
65 lbs.	39c	79c	1.37	2.34
70 lbs.	42c	84c	1.47	2.52





## BUCK BRAND TESTED SEEDS

## FLOWER SEED PLANTING TABLE

This table is for middle South climate and conditions. Allowances must be made. It is only a general guide. Abbreviations: T, tender; H, Hardy; H H, half-hardy; A, annual; B, biennial; P, perennial. Months are numbered; 1, January; 2, February; etc.

NAME	Height of Plant	Shape of Plant	Color of Flowers	Good Cut Flowers	Best Use	Location Sun/Shady	Months to Plant	Months to Transpl't	Blooming Months	No. Seed to Ounce	No. Days to Germ.
<b>Abroonia</b> , HHA	6-9 in.	trailing	yellow, pink	no	edging	sunny	4-5	thin	6-10	10,000	10-15
<b>Ageratum</b> , HHA	8-24 in.	bushy	blue, white	yes	bedding	sunny	1-4	4-5	6-11	225,000	5-10
<b>Alyssum</b> , HHA	2-12 in.	spreading	white	fair	edging	sunny	3-4	thin	5-11	60,000	5-8
<b>Amaranthus</b> , TA	24-60 in.	bushy	reds	fair	bedding	sunny	3-5	4-5	6-10	30,000	5-10
<b>Antirrhinum</b> , HA	18-24 in.	bushy	many	yes	bedding	any	3-5	4-5	6-10	150,000	8-12
<b>Aquilegia</b> , HP	24-48 in.	branchy	several	yes	borders	any	8-9	10-11	5-6	17,500	12-60
<b>Arctotis</b> , HA	18-24 in.	bushy	blue, white	yes	border	sunny	3-5	4-5	6-11	no record	
<b>Asters</b> , A	12-30 in.	bushy	many	yes	bedding	any	1-6	4-5	6-11	12,000	5-10
<b>Balsam</b> , A	18-30 ft.	erect	many	fair	border	sunny	3-5	4-5	6-10	3,500	8-10
<b>Balsam Apple</b> , A	15 in.	vine	orange fr.	no	novelty	sunny	4-5	thin	6-10	250	30
<b>Bellis</b> , TP	6-8 in.	bushy	several	yes	border	sunny	3-5	4-5	6-11	no record	
<b>Brachycome</b> , HHA	12 in.	bushy	several	fair	edging	any	3-5	4-5	6-11	no record	
<b>Calendula</b> , HA	12-36 in.	bushy	yellows	yes	bedding	sunny	1-4	3-5	6-11	3,000	5-10
<b>Calliopsis</b> , HA	12-36 in.	bushy	yellows	yes	bedding	sunny	1-4	thin	6-10	100,000	8-10
<b>Candytuft</b> , HA	12-18 in.	bushy	many	yes	bedding	sunny	3-4	thin	6-9	10,000	5-10
<b>Canna</b> , TP	30-72 in.	erect	many	no	bedding	sunny	2-3	4-5	7-11	100	5-10
<b>Canterbury Bells</b> , B	18-42 in.	bushy	many	fair	border	sunny	3-9	4-5	6-7	no record	
<b>Carnation</b> , P	18-36 in.	bushy	many	yes	bedding	sunny	2-3	4-5	6-10	15,000	10-15
<b>Celosia</b> , HHA	24-36 in.	bushy	red, yellow	fair	bedding	sunny	3-5	thin	6-11	30,000	8-10
<b>Centurea</b> , HA	24-36 in.	erect	many	yes	bedding	sunny	2-5	thin	6-9	7,000	8-10
<b>Chrysanthemum</b> , A	24-36 in.	bushy	several	yes	bedding	sunny	3-5	thin	7-11	10,000	8-10
<b>Cineraria</b> , HP	18-24 in.	bushy	foliage	no	edging	sunny	2-4	4-5	no	no record	
<b>Clarkia</b> , HA	15-30 in.	bushy	several	yes	border	any	3-5	thin	6-10	100,000	10
<b>Cobea Scandens</b> , P	15-30 ft.	vine	purple	no	climbing	sunny	3-5	4-5	6-8	400	15-20
<b>Coleus</b> , TA	12-24 in.	bushy	white	no	bedding	sunny	2-3	4-5	for lvs.	115,000	10-15
<b>Coreopsis</b> , HP	18-36 in.	bushy	yellow	yes	bedding	sunny	2-4-9	4-5-10	6-10	no record	
<b>Cosmos</b> , A	48-72 in.	bushy	several	yes	bedding	sunny	4-5	thin	7-11	5,500	8-10
<b>Cynoglossum</b> , P	18-24 in.	bushy	blue	yes	border	sunny	3, 8	4-5, 10	5-7	no record	
<b>Cypress Vine</b> , TA	10-18 ft.	vine	red, white	no	climbing	sunny	4-5	thin	6-11	2,200	10-20
<b>Dahlla</b> , TP	36-72 in.	bushy	many	yes	bedding	any	2-3	4-5	7-11	3,000	10-20
<b>Daisy</b> , HP	10-30 in.	bushy	white, pink	yes	edging	any	2-3, 8	3-4, 10	5-10	200,000	8-10
<b>Delphinium</b> , P	36-60 in.	tall	blues	yes	border	sunny	1-3, 8	3-4, 10	5-7, 10	15,000	20
<b>Dianthus</b> , HA	12-15 in.	bushy	many	yes	bedding	sunny	3-5	thin	5-11	28,000	5-10
<b>Didiscus</b> , TA	24-36 in.	slender	blue	yes	cutting	shady	2-3	4-5	6-11	no record	
<b>Digitalis</b> , B	30-48 in.	erect	many	yes	border	shady	2-3, 8	3-4, 10	5-7	200,000	10-15
<b>Eschscholtzia</b> , A	10-12 in.	bushy	several	yes	bedding	sunny	3-5	thin	6-9	15,000	5-10
<b>Euphorbia</b> , HA	2-4 ft.	bushy	none	no	border	sunny	4-5		no record		
<b>Forget-Me-Not</b> , TP	8-12 in.	bushy	blue, white	yes	edging	shady	3-4	thin	4-5, 10	55,000	10-15
<b>Four O'Clock</b> , HA	24-30 in.	bushy	many	no	border	sunny	3-4	4-5	8-11	no record	
<b>Gaillardia</b> , P	18-30 in.	bushy	red, gold	yes	bedding	sunny	2-4	4-5	6-11	15,000	10-15
<b>Geranium</b> , HA	12-15 in.	erect	several	no	bedding	any	3-4		4-10	no record	
<b>Gerbera</b> , HHP	12-15 in.	tuffy- red to	yellow	yes	bedding	sunny	2-4; 7-8	4-5-8-9	5-11	no record	
<b>Gilia</b> , A	24-36 in.	bushy	blue	yes	bedding	sunny	3-5	thin	6-10	no record	
<b>Globe Amaranth</b> , TA	12-18 in.	bushy	purple, white	yes	bedding	sunny	4-5	thin	7-10	5,800	10-15
<b>Godetia</b> , A	12-18 in.	erect	many	yes	border	any	3-5	thin	6-10	100,000	6-10
<b>Gypsophila</b> , A	18-24 in.	branchy	white	yes	border	sunny	4-5	thin	6 wks	25,000	5
<b>Helichrysum</b> , HA	24-36 in.	bushy	many	yes	bedding	sunny	2-4	4-5	6-10	40,000	5-10
<b>Heliotrope</b> , TP	18-24 in.	bushy	several	fair	bedding	shady	2-5	4-5	5-11	55,000	30
<b>Hollyhock</b> , P	5-8 ft.	slender	many	yes	border	moist	2-3, 8	3-4, 10	6-9	3,500	10-30
<b>Hop</b> , Japanese, TP	10-20 ft.	vine	var. lvs.	no	shade	sunny	4-5	thin	var lvs.	2,500	8-10
<b>Hyacinth Bean</b> , TA	10 ft.	climbing	several	no	climber	sunny	4-5		6-8	no record	
<b>Ivy</b> , Kenilworth, HP	36 in.	trailer	lilac	no	trailing	any	3, 8	4, 10	various	no record	
<b>Koehia</b> , TA	36 in.	bushy	red	no	border	sunny	3-4	thin	9-11	50,000	10
<b>Kudzu</b> , P	50 ft.	vine	purple	no	shade	any	3-4	4-5	4-5	no record	
<b>Lantana</b> , A	24-36 in.	branchy	several	yes	bedding	sunny	2-4	4-5	6-10	no record	
<b>Larkspur</b> , A	36-48 in.	tall	many	yes	bedding	sunny	3-5	thin	6-10	14,000	20
<b>Lathyrus</b> , P	6-12 ft.	vine	pink, white	yes	blanket	sunny	1-4	3-4	6-10	600	60
<b>Linum</b> , HA and HP	12-30 in.	clump	red-blue	no	bedding	sunny	2-8-7-9	4-9	5-10	no record	
<b>Lobelia</b> , TA	6-8 in.	bushy	blue	fair	edging	shady	3-4	3-5	6-10	700,000	5-20
<b>Lupine</b> , HA	24-30 in.	erect	several	yes	border	shady	4-5	thin	6-9	1,800	5-10
<b>Marigold</b> , HA	8-30 in.	bushy	yellows	yes	bedding	sunny	3-5	4-5	6-11	9,000	5-10
<b>Matricaria</b> , HHP	18-24 in.	bushy	white	yes	bedding	sunny	3-4	thin	7-11	150,000	10-12
<b>Mignonette</b> , TA	10-12 in.	erect	several	yes	edging	sunny	4-5	thin	6-8	30,000	8-10
<b>Moon Flower</b> , TA	20-30 ft.	vine	several	no	shade	sunny	3-5		6-11	no record	
<b>Morning Glory</b> , A	20-50 ft.	vine	many	no	shade	sunny	3-5	thin	6-11	1,500	5-10
<b>Nasturtium</b> , A	12 in. 8 ft.	bush, vine	many	yes	edging	sunny	4-6	thin	5-11	250	8-10
<b>Nicotiana</b> , TA	30-42 in.	branchy	several	yes	border	sunny	3-5	5	6-8	200,000	5-10
<b>Nigella</b> , HA	18-24 in.	bushy	blue white	yes	border	sunny	3-5	thin	6-8	12,000	10-15
<b>Oenothera</b> , A	36-48 in.	bushy	yellow	no	border	sunny	3-4	thin	5-9	no record	
<b>Pansy</b> , HA	4-6 in.	clump	many	yes	edging	any	1-3, 9	3-4, 10	4-6, 10	24,000	8-10
<b>Passion Flower</b> , A	15 ft.	vine	blue	no	climbing	any	2-3	4-5	6-10	no record	
<b>Petunia</b> , HA	18-24 in.	bushy	many	fair	bedding	any	2-5	4-5	5-10	152,000	8-10
<b>Phlox</b> , HHA	12-18 in.	bushy	many	yes	bedding	sunny	3-5	thin	6-9	15,000	8-10
<b>Physalis</b> , HP	18-24 in.	branch	red pods	yes	drying	sunny	2-4-7-9	3-5-9-10	2nd yr.	no record	
<b>Physostegia</b> , HP	18-24 in.	erect	orchid	yes	bedding	any	2-4-9	3-5-10	6-9	no record	
<b>Poppy</b> , HA	24-60 in.	erect	many	yes	bedding	sunny	1-4	thin	6-9	150,000	15
<b>Portulaca</b> , TA	4-6 in.	spready	many	no	edging	sunny	4-5	thin	6-10	300,000	8-10
<b>Pyrethrum</b> , HP	12-24 in.	erect	several	yes	bedding	sunny	2-4-7-9	4-5-9-10	5-6	no record	
<b>Rheinus</b> , TA	5-10 ft.	branchy	bronze lvs.	no	massing	sunny	4-5	thin	big lvs.	50	12-15
<b>Salpiglossis</b> , HHA	18-30 in.	bushy	many	yes	border	any	3-5	4-5	6-11	125,000	5-10
<b>Salvia</b> , A	24-42 in.	bushy	red, blue	yes	bedding	sunny	3-5	4-5	6-11	10,000	5-10
<b>Scabiosa</b> , HA	24-30 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-11	5,000	10-15
<b>Scarlet Runner</b> , A	10-12 ft.	vine	red	no	climbing	sunny	4-5	thin	6-10	no record	
<b>Stocks</b> , A	24-30 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-8	18,000	3-10
<b>Sweet Pea</b> , HA	4-8 ft.	vine	many	yes	cutting	sunny	12-3	thin	3-6	no record	
<b>Sweet William</b> , B	12-24 in.	bushy	many	yes	bedding	sunny	1-4	3-4	5-6	28,000	5-10
<b>Thunbergia</b> , HHA	4-5 ft.	vine	several	no	climbing	sunny	4-5		6-11	no record	
<b>Tithonia</b> , TA	4-6 ft.	branchy	tangerine	yes	cutting	sunny	4-6		7-11	no record	
<b>Torenia</b> , TA	10-12 in.	bushy	blue	no	bedding	shady	2-5	4-6	5-11	no record	
<b>Tritonia</b> , HHP	3-4 ft.	erect	orange red	yes	bedding	sunny	2-4-9	4-5-10	8-11	no record	
<b>Venedium</b> , HHA	24-36 in.	bushy	orange	yes	bedding	sunny	3-4		6-10	no record	
<b>Verbena</b> , HHP	6-10 in.	spready	many	yes	edging	sunny	2-5	3-5	6-10	10,000	10-15
<b>Vinca</b> , A	15-18 in.	bushy	pink, white	fair	bedding	sunny	2-5	4-5	6-11	22,000	10-12
<b>Wallflower</b> , HHP	12-18 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-7	15,000	5-10
<b>Zinnia</b> , HHA	24-36 in.	bushy	many	yes	bedding	sunny	3-5	4-6	6-11	4,000	5-10

### The Message of the Flowers

Flowers seem to picture the smile of Divine approval and encouragement. No other object, be it plant or jewel, created by God or fabricated by man, carries with it just the same influence as do flowers. And singular as it may appear, the message the flowers convey is of necessity always one of sweetness, friendliness and encouragement. They do not speak any other language than that of love.

It would be a deed as ridiculous as it would be grotesque to send to one's enemy a bouquet of flowers if the one sending them were still at enmity with him. This for the reason that flowers cannot speak thoughts of hatred. They could not bear a message of resentment, enviousness or greed.

Flowers are Love objectified. They are Mercy translated into beauty and sweetness. They are Truth greeting the senses.



## FIELD SEED PLANTING TABLE.

600 { Questions answered  
on this page

An acre of land contains 160 square rods or 43,560 square feet.

Kind of Seed	Weight per Bu. Pounds	Pounds to Seed an Acre	Time for Seeding		Average No. of Seeds to Lb.	Average Yield Per Acre	Average Yield Per Acre
Alfalfa	.60	20 to 35	Feb. to May	Aug. to Nov.	232,000	6000 to 10000 lbs. Hay	300 to 500 lbs. Seed
Alsike Clover	.60	6 to 10	Feb. to June	Aug. to Nov.	680,000	2000 to 5000 lbs. Hay	200 to 500 lbs. Seed
Crimson Clover	.60	10 to 15	July to Sept.	Aug. to Nov.	150,600	2500 to 5000 lbs. Hay	300 to 400 lbs. Seed
Mammoth Clover	.60	8 to 12	Feb. to Apr.	Aug. to Nov.	294,400	2500 to 4000 lbs. Hay	100 to 300 lbs. Seed
Red Clover	.60	8 to 12	Feb. to Apr.	Aug. to Nov.	294,400	2500 to 4000 lbs. Hay	100 to 300 lbs. Seed
Sweet, Yellow Blossom	.60	10 to 15	Feb. to May	Aug. and Sept.	222,300	3000 to 4000 lbs. Hay	100 to 350 lbs. Seed
Sweet, White Blossom	.60	10 to 15	Feb. to May	Aug. and Sept.	222,300	4000 to 5500 lbs. Hay	150 to 400 lbs. Seed
White Dutch	.60	3 to 5	Feb. to June	Aug. to Nov.	790,600	Pasturing	100 to 400 lbs. Seed
Common (Millet)	.50	40 to 50	April to Aug. 15th		231,800	4000 to 6000 lbs. Hay	1500 to 2000 lbs. Seed
Golden (Millet)	.50	40 to 50	April to Aug. 15th		231,800	4000 to 6000 lbs. Hay	1500 to 2000 lbs. Seed
Bermuda Grass	.40	4 to 6	March to Sept.		1,800,000	4000 lbs. Hay	200 to 250 lbs. Seed
Blue Grass	.14	25 to 35	March to June	Aug. to Nov.	2,608,000	2000 to 3000 lbs. Hay	140 lbs. Stripped Seed
Orchard Grass	.14	40 to 45	Apr. and May	Aug. and Sept.	592,000	2000 to 3000 lbs. Hay	140 to 160 lbs. Seed
Red Top, Fancy	.14	8 to 12	Apr. to June	Sept. to Nov.	7,776,000	3000 to 5000 lbs. Hay	50 to 100 lbs. Seed (Solid)
Rye Grass	.24	35 to 50	Apr. to June	Aug. to Jan.	320,000	3000 to 4500 lbs. Hay	500 lbs. Seed
Timothy	.45	12 to 15	Apr. to June	Aug. to Nov.	1,315,200	4000 to 5000 lbs. Hay	250 to 500 lbs. Seed
Sudan, Broadcast	.45	16 to 24	May to Aug.		62,800	4000 to 6000 lbs. Hay	600 lbs. Seed
Barley	.48	95 to 120	Apr. to June	Sept. to Nov.	25,600		20 to 40 bu. Seed
Beans, Soja	.60	60 to 75	May to Aug.		3,060	4000 to 6000 lbs. Hay	20 to 40 bu. Seed
Buckwheat, Silverhull	.52	52 to 60	May and June	August	21,700		20 to 30 bu. Seed
Cane, Broadcast	.50	50 to 65	May to Aug.		29,600	6000 to 8000 lbs. Hay	20 to 40 bu. Seed
Cane, in Drills	.50	20 to 30	May and June		29,600	6000 to 8000 lbs. Hay	20 to 40 bu. Seed
Corn, Field, in Hills	.56	12 to 15	May, June and July		1,300		25 to 60 bu. Seed
Kaffir Corn, in Drills	.50	20 to 30	May and June		20,800	6000 to 8000 lbs. Hay	20 to 40 bu. Seed
Oats	.32	60 to 70	March to May	Sept. and Oct.	25,000		40 to 75 bu. Seed
Peas, Cow, in Drills	.60	50 to 70	May to Aug.		2,950	4000 to 6000 lbs. Hay	15 to 30 bu. Seed
Peas, Cow, Broadcast	.60	90 to 120	May to Aug.		2,950	4000 to 6000 lbs. Hay	
Rape, Dwarf Essex	.50	8 to 10	Apr. to Aug.	Sept. and Oct.	111,100	10 to 15 tons Green Feed	800 to 1000 lbs. Seed
Rye	.56	80 to 90	Spring and Fall		24,950		20 to 40 bu. Seed
Sunflower	.22	2 to 3	May and June		6,100	16 tons Green Feed	1000 lbs. Seed
Vetch, Winter	.50	30 to 50	Fall Months	Sept. and Oct.	15,000	4000 to 6000 lbs. Hay	10 to 15 bu. Seed
Vetch, Spring	.50	30 to 50	Fall and Spring	Nov. and Dec.	14,500	4000 to 6000 lbs. Hay	10 to 15 bu. Seed
Wheat	.60	75 to 90	Sept. and Oct.		14,500		20 to 40 bu. Seed

## GARDEN SEED PLANTING TABLE

VARIETY	Seed for 100 ft. row	Seed for 1 acre	Time of Planting	Put Rows Apart	Leave Plts. Apart in Row	Crop Matures in about	Depth of Planting
Artichoke, Globe	2 Pkts.	12 oz. T.	October to May	5 ft.	3 ft.	2nd Spring	1 inch
Artichoke, Plants	32 Plants	3000 P.	Dec. to April	5 ft.	3 ft.	Next Spring	
Artichoke, Jerusalem	3 lbs.	300 lbs.	December to May	4 ft.	3 ft.	Late Summer	3 inches
Asparagus Seed	1 oz.	2 lbs. T.	February to May	6 ft.	3 ft.	Third Spring	1 inch
Asparagus Plants	32 Plants	11000 P.	December to May	4 ft.	1 ft.	Next Spring	
Beans, Bush	1 lb.	60 lbs.	Jan. to September	3 ft.	6 in.	2 to 3 Months	1 to 2 inches
Beans, Pole	3/4 lb.	50 lbs.	Jan. to September	3 ft.	1 1/2 ft.	2 to 3 Months	1 to 2 inches
Beet, Table	2 oz.	10 lbs.	All year	2 ft.	6 in.	3 to 3 1/2 Months	3/4 inch
Beet Stock	2 oz.	8 lbs.	September to May	3 ft.	1 ft.	4 to 6 Months	1 inch
Broccoli	1 Pkt.	4 oz. T.	Nov. to April	2 1/2 ft.	1 ft.	3 1/2 Months	1/2 inch
Brussels Sprouts	2 Pkts.	4 oz. T.	October to May	2 1/2 ft.	1 1/2 ft.	5 Months	1/2 inch
Cabbage, Early	1 Pkt.	8 oz. T.	All Year	2 1/2 ft.	2 ft.	3 to 4 Months	1/2 inch
Cabbage, Late	1 Pkt.	8 oz. T.	All Year	2 1/2 ft.	2 ft.	4 to 5 Months	1/2 inch
Carrot	1 oz.	4 lbs.	All Year	24 in.	6 in.	4 Months	1/4 to 1/2 inch
Cauliflower	1/4 oz.	4 oz. T.	June to January	3 ft.	2 1/2 ft.	4 to 6 Months	1/2 inch
Celery	2 Pkts.	5 oz. T.	January to May	3 ft.	6 in.	4 to 5 Months	Very shallow
Celeriac	1 Pkt.	6 oz.	January to May	1 ft.	2 1/2 ft.	4 to 5 Months	1/2 inch
Chervil	3 Pkts.	1 lb.	Jan. to August	30 in.	5 in.	2 Months	1/4 inch
Chives	2 Pkts.	2 lbs.	September to May	30 in.	5 in.	3 to 4 Months	1/4 inch
Collards	1 Pkt.	8 oz. T.	All Year	30 in.	15 in.	4 Months	1/2 inch
Chicory	2 Pkts.	4 lbs.	September to May	30 in.	8 in.	2 to 3 Months	1/4 inch
Corn Salad	1 oz.	5 lbs.	February to Nov.	30 in.	8 in.	2 to 3 Months	1/4 inch
Corn, Sweet	1/2 lb.	10 lbs.	March to Sept.	36 in.	12 in.	2 1/2 to 3 Months	1 inch
Cucumber	2 Pkts.	2 lbs.	March to Sept.	6 ft.	4 ft.	2 to 3 Months	1 inch
Dandelion	1 Pkt.	3/4 lb.	September to April	30 in.	10 in.	3 Months	1/4 inch
Egg Plant	1 Pkt.	4 oz. T.	January to August	30 in.	2 ft.	4 Months	1/2 inch
Endive	1 oz.	3 lbs.	August to May	30 in.	8 in.	3 Months	1/2 inch
Garlic (sets)	2 lbs.	300 lbs.	September to March	30 in.	6 in.	5 to 6 Months	
Horse Radish	70 Plants	10000 P.	December to May	30 in.	18 in.	6 Months	
Kale	2 Pkts.	2 lbs.	All Year	30 in.	18 in.	2 to 3 Months	1/2 inch
Kohlrabi	1 Pkt.	4 lbs.	All Year	30 in.	6 in.	4 Months	1/2 inch
Leek	1/2 oz.	4 lbs.	September to April	24 in.	6 in.	4 Months	1/2 inch
Lettuce	3 Pkts.	3 lbs.	All Year	24 in.	8 in.	2 to 3 Months	1/2 inch
Melons, Musk	2 Pkts.	1 1/2 lbs.	March to July	6 ft.	4 ft.	3 to 4 Months	1 inch
Melons, Water	1 oz.	2 lbs.	March to July	8 ft.	6 ft.	3 to 4 Months	1 inch
Mustard	1 Pkt.	2 lbs.	All Year	4 ft.	2 1/2 ft.	3 to 5 Weeks	1/2 inch
Okra	1 oz.	8 lbs.	April to July	3 ft.	2 ft.	3 Months	1 inch
Onion Seed	1/2 oz.	3 lbs.	September to April	24 in.	5 in.	4 1/2 to 6 Months	1 inch
Onion Sets	2 lbs.	300 lbs.	All Year	18 in.	3 in.	2 to 4 Months	
Onion Seed for Sets	2 oz.	40 lbs.	All Year	2 ft.	Drill	2 to 3 Months	
Parsley	1 Pkt.	4 lbs.	All Year	24 in.	6 in.	3 Months	Very shallow
Parsnips	2 Pkts.	6 lbs.	All Year	30 in.	4 in.	4 Months	1/2 inch
Peas	1 lb.	75 lbs.	All Year	36 in.	3 in.	2 to 4 Months	2 inches
Pepper	1 Pkt.	6 oz. T.	January to July	36 in.	18 in.	3 to 4 Months	1/2 inch
Potatoes	5 lbs.	600 lbs.	December to Sept.	36 in.	10 in.	2 to 3 Months	5 inches
Potatoes, Sweet	70 Plants	10000 P.	March to July	36 in.	18 in.	3 to 4 Months	3 inches
Pumpkin	2 Pkts.	2 lbs.	March to August	10 ft.	8 ft.	3 to 4 Months	1 inch
Radish	1 oz.	12 lbs.	All Year	18 in.	3 in.	1 to 2 Months	1/2 inch
Rhubarb	2 Pkts.	4 oz.	January to April	5 ft.	3 ft.	2nd Spring	1/2 inch
Rhubarb Roots	33 Roots	3000 P.	December to May	5 ft.	3 ft.	Next Spring	2 inches
Salsify	1 oz.	8 lbs.	February to Octobe	30 in.	4 in.	4 Months	1 inch
Spinach	1 oz.	20 lbs.	All Year	24 in.	2 in.	40 to 65 Days	1 inch
Squash, Bush	2 Pkts.	3 lbs.	February to October	4 ft.	3 ft.	2 Months	1 1/2 inch
Squash, Running	2 Pkts.	2 lbs.	February to August	8 ft.	6 ft.	3 to 4 Months	1 1/2 inch
Tomato, Seed	1 Pkt.	3 oz. T.	February to August	5 ft.	3 ft.	4 to 5 Months	1/2 inch
Tomato, Plants	35 Plants	3000 P.	March to October	5 ft.	3 ft.	2 to 3 Months	
Turnip	2 Pkts.	4 lbs.	All Year	24 in.	6 in.	3 to 4 Months	1/2 inch
Turnip Swede or Rutabaga	2 Pkts.	3 lbs.	All Year	24 in.	8 in.	3 to 4 Months	1/2 inch



# BUCHANAN'S

## ROOTS, HERBS & VEGETABLE PLANTS



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Many of my customers live at a distance from the express office, making it more convenient for them to receive their goods by Parcel Post, especially when they are busy in the spring, and we have a special department for packing Live Plants so they will reach you in the best of condition when shipped by Parcel Post.

### ASPARAGUS ROOTS AND SEED

**CULTURE**—Sow seed thinly in drills 1 foot apart, early in the spring or fall, after soaking seed in warm water for an hour. Use a rich, well-worked light soil and when well up, thin plants to 1 inch apart and cultivate often until the plants are a year old. Transplant or set out the roots in permanent bed, using the richest soil you have, thoroughly prepared and worked very deep. Set roots 4 inches deep and 18 inches apart in rows 4 to 6 feet apart.

**WASHINGTON ASPARAGUS SEED**—The most superior strain of the finest and largest variety of asparagus now known. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**WASHINGTON ASPARAGUS ROOTS**—Plant these extra large roots and save 1½ to 2 years' time in having your bed ready for cutting. Prices, post paid—Doz., 30c; 25, 50c; 50, 90c; 100, \$1.50; 500, \$6.50. Not Prepaid—Doz., 20c; 25, 35c; 50, 60c; 100, \$1.00; 500, \$4.90; 1,000, \$8.75.

**RHUBARB ROOTS**—Should be set in well-enriched soil at least 4 feet apart each way. Each, 20c; ½ doz., 95c; 1 doz., \$1.75.

### BUCHANAN'S GENUINE FROST-PROOF CABBAGE PLANTS

For Wholesale Prices—Not Prepaid—See Yellow Sheet in Center of Catalogue

**BUCHANAN'S GENUINE FROST-PROOF CABBAGE PLANTS** will be somewhat wilted and have a hard, stunted appearance when you receive them. Do not let this disappoint you, as it is the natural way they grow. Plant them; the crop will not be disappointing. They are the genuine Frost-Proof Plants. Varieties: Early Jersey and Large Charleston Wakefield, Succession and Early Flat Dutch. Set cabbage in rows 30 inches apart, 20 inches in row, 10,000 to 14,000 to acre. Prices, parcel post paid: 100, 40c; 200, 70c; 500, \$1.25; 1,000, \$2.25. By express, not prepaid, from growing station: 1,000, \$1.40; 3,000, \$3.75; 5,000, \$6.25. All prices on Cabbage plants are subject to crop conditions and market changes.

**BUCHANAN'S BERMUDA ONION PLANTS**—Set in rows 24 inches apart; plants 6 inches apart in row; requires about 44,100 plants to acre.

**YELLOW BERMUDA**—The most popular of all the Bermuda varieties. It is a light straw-colored onion. No onion compares with the Bermuda in mildness of flavor, and for this reason it is extensively planted, especially in the South, where it reaches perfection. Prices: 100, 25c; 200, 40c; 500, 75c; 1,000, 95c, post paid. Prices by express, not prepaid, from growing station to you: 1 crate, 6,000 plants, \$3.95.

**CRYSTAL WHITE WAX BERMUDA**—No other onion has such clear, white skin, such mildness of flavor. It is deliciously tender and can be eaten raw like an apple. We begin shipping about September 1 and continue shipping Bermuda plants until May 1 the following year. Prices: 100, 25c; 200, 40c; 500, 75c; 1,000, 95c, post paid. Prices by express, not prepaid, from growing station to you: 1 crate, 6,000 plants, \$4.25. Write or wire us for prices on larger quantities when wanted. All prices on Onion plants are subject to crop conditions and market changes.

### BUCHANAN'S POTATO SLIPS

All Potato Plants Packed in 100 to Each Bundle

Set in rows 3 feet apart; plants 12 inches apart. It takes about 7,500 plants for each acre. For a home garden 1,000 slips will make you a nice patch. I ship many orders of 500, and even 100 plants. We begin shipping Sweet Potato Slips April 10, weather permitting, and ship every day until July 1. We believe May and June are the best months to set them.

**NANCY HALL**—This is our most popular Sweet Potato, because of its early maturing and ready sale on all markets, especially the Northern markets, where the Southern Nancy Hall is known as the best eating sweet potato grown. Color, yellow, slightly running; ready to harvest in July; fine for cooking, but does not keep during the winter as well as the Porto Rico. Prices: 100, 50c; 500, \$2.25; 1,000, \$3.50, post paid.

**PORTO RICO YAMS**—We have grown this Sweet Potato for years, and the demand for both seed and slips has increased each year. It is fine-grained, juicy, as good for eating as the Nancy Hall, and has the additional quality of being a good winter keeper. Color, golden red, running; late maturing, good keeper, and I consider it the best Sweet Potato grown today for home use. Prices: 100, 50c; 500, \$1.75; 1,000, \$3.00, post paid. Write or phone for prices on larger quantities.



Frost Proof Cabbage Plants



Onion Plants



Sweet Potato Slips





## BUSH SNAP BEANS

Beans are sensitive to both cold and wet, so do not plant till the ground is warm. To have a continuous supply, plant every two weeks until September; further South they may be planted even later. Make the rows 2 to 3 feet apart, drop the beans 3 inches apart and cover 1½ to 2 inches deep. Give frequent but shallow cultivation up to blossoming time, not afterward, and never when the plants are wet. Plant in a light loamy soil that warms up quickly. One pound plants 60 feet.

**FIELD PLANTING**—In rows 4 ft. apart; 1 bushel (60 lbs.) to acre. Ready in 10 weeks.

All Prices on This Page Post Paid. All 10c Pkts., 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

**37—IMPROVED EXTRA EARLY RED VALENTINE**—A standard variety, extra early. The pods are produced in large clusters on erect plants. It is very prolific and reliable and an excellent shipper. The pods are of medium length, and about 4½ inches long, medium green color, curved, cylindrical, with crease in back, very fleshy, crisp and tender. When the young plants have to contend with adverse weather conditions, no other dwarf bean is more certain than the Valentine is to set pods. Ready for picking in 50 days.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c

**40—STRINGLESS GREEN POD (BURPEE'S)**—This is one of the most popular and best of the stringless varieties. It is earlier than the Valentine, absolutely stringless, hardy, vigorous and productive. Pods are long and straight, round, meaty, of green color, and remain tender and crisp a long time after maturity. Seed of medium size and length, yellowish brown. Ready for picking in 53 days.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c

**39—BLACK VALENTINE**—This bean has beautiful large pods about 6 inches long, slender, round and nearly straight; stringy, fibrous though fine grained, dark green in color. Seed black. An early, productive, profitable, gardener's variety. The plant is more vigorous and productive than the Red Valentine and pods darker green. Ready for picking in 50 days.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c

**41—STRINGLESS BLACK VALENTINE**—An absolutely stringless Black Valentine. It is perfect for the home gardener or trucker. The attractive green pods are nearly round, long, straight, very tender, and of good flavor. This bean is early, a vigorous grower, and one of the most prolific; splendid shipper. Ready for picking in 53 days.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c

**42—NEW STRINGLESS GREEN POD OR TENDERGREEN**—Similar to Full Measure, but hardier, and a more dependable cropper. Plant medium large, erect, somewhat thick stemmed, heavily productive. Pods nearly straight, dark green, round, meaty, succulent; absolutely stringless, totally without fiber, of outstanding quality. Ready for picking in 53 days.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c

**44—GIANT STRINGLESS GREEN POD**—This is a very desirable green-podded variety for the home garden, and also for truckers. The handsome round pods are 6 to 7 inches long, dark green in color, brittle and perfectly stringless. It is one of the most productive sorts and can be picked in one-third the time of any other variety. This variety has achieved much popularity in Southern states, where it is grown on a large commercial scale for shipment to Northern markets. It is not quite as early as Burpee Stringless. Ready for picking in 54 days.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c

**38—TENNESSEE GREEN POD**—A very hardy and healthy bean of recent introduction; is a good yielder of large, very flat pods, 6 to 7 inches long; dark green color and excellent flavor. Not entirely stringless. Its chief recommendations are earliness and vigor. Ready for picking in 54 days.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c

**43—LONGFELLOW OR PENCIL-POD**—A six-weeks bean; pods 6½ to 7 inches long, round, slender, and very straight. Their flavor is most delicious, while the delicate green color of the pods is retained after cooking. A great cropper. Ready for picking in 54 days.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c

## DWARF WAX BEANS

**55—PENCIL POD BLACK WAX**—Very early and productive and absolutely stringless. Ready for picking in 52 days.

**56—BLACK WAX, CURRIE'S RUST-PROOF**—Very productive, rustless; long, flat pods, which are very crisp, brittle and tender when young. Seed black, fine for shipping. Ready for picking in 50 days.

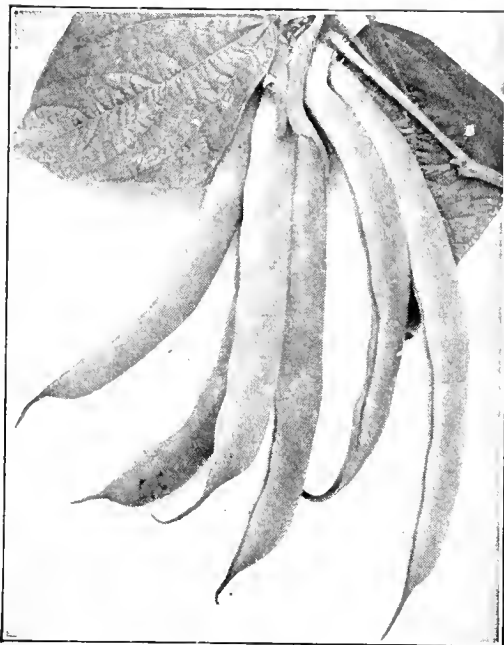
**57—DAVIS WHITE KIDNEY WAX**—One of the most popular flat podded wax beans. Long, handsome, yellow pods of fine quality. Seed medium large, kidney shaped, clear white. Ready for picking in 52 days.

**58—IMPROVED GOLDEN WAX**—One of the best snap beans, golden yellow pod, excellent flavor. Medium length, straight and oval. Seed white and mottled brown, round shape. Ready for picking in 49 days.

**60—ROUND-POD, KIDNEY WAX (Brittle Wax)**—The best of the round-podded sorts; early, prolific; pods long, handsome shape and color; entirely stringless; quality excellent. Seed white with brownish-black eye. Ready for picking in 52 days.

**59—SURE CROP STRINGLESS WAX**—In many respects the finest wax bean ever introduced. It is very prolific and of the finest eating quality. The handsome rich-looking yellow pods are 6 to 7 inches long, almost round. Ready for picking in 53 days.

Prices All Wax Beans: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c



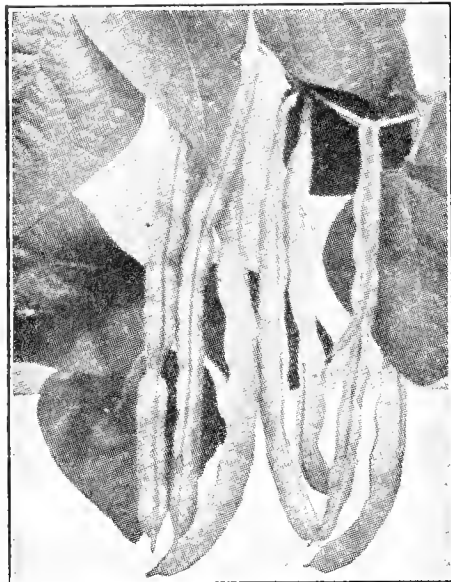
Giant Stringless Beans

**45—FULL MEASURE**—A well-known variety for market garden and canning, having an up-standing, prolific plant. Pods round, straight, very fleshy, stringless and tender. Ready for picking in 70 days.

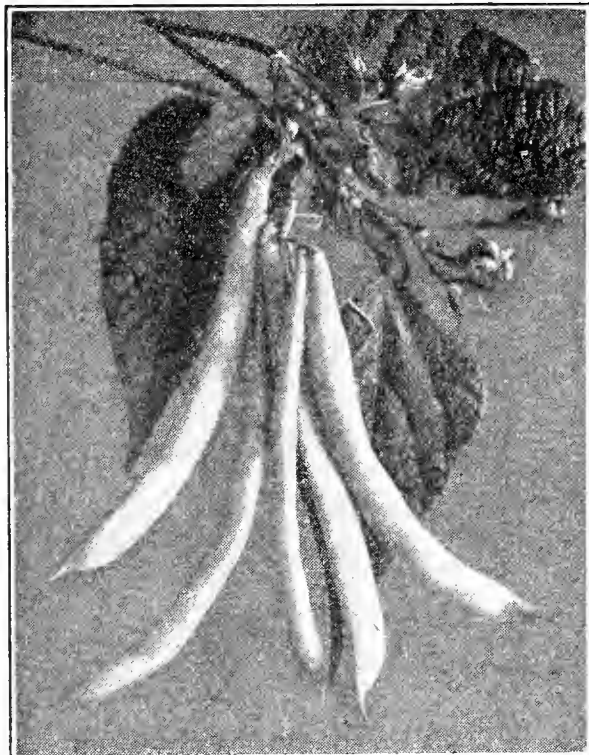
Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c



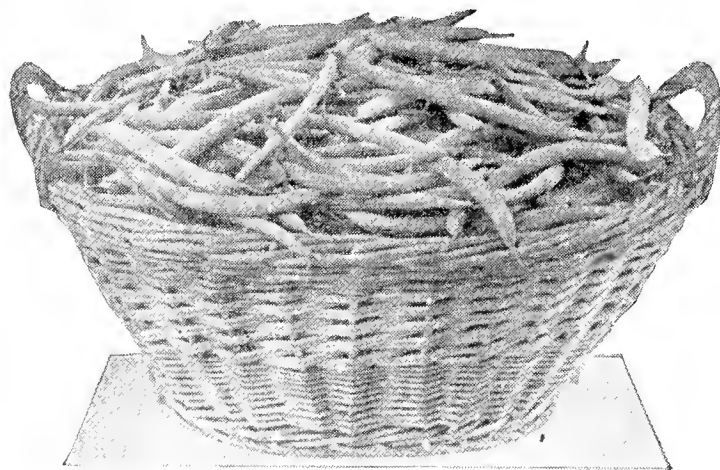
Giant Stringless Beans



Kentucky Wonder Pole Beans



Striped Scotia Beans



McCaslan Pole Beans

## POLE SNAP BEANS

Pole Beans produce the largest crop over the longest season. You obtain a greater supply of beans in a smaller space as compared with Bush Beans. They are even more tender than most bush varieties.

**CULTURE**—Set 6- to 8-foot poles every 4 feet in 4-foot rows, and plant 6 to 8 beans, about 2 inches deep, around each pole. When well started, thin to the four strongest. A packet plants 20 hills; 2 pounds to 150 hills; 30 pounds ( $\frac{1}{2}$  bushel) to an acre. May also be planted in rows and supported by a wire fence or trellis. For this method plant seed 2 feet apart, sowing 300 feet with a pound of seed. Top dress with good fertilizer or manure; work it in as you cultivate.

All Prices on this Page Post Paid. All 10c Pkts., 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

**67—KENTUCKY WONDER** (Also called Old Homestead and Texas Prolific)—It is the most prolific pole, green, snap bean to plant any time from April to August; if closely picked will continue bearing until frost. Pods are green, round, well rounded out, meaty, tender, practically stringless and grow 6 to 12 inches long. Ready for picking in 65 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 55c

**64—KENTUCKY WONDER WAX**—This is one of the earliest of the wax podded sorts, and similar to the green-podded Kentucky Wonder, but the pods are broader. The pods are very long, handsome light yellow, often over 8 inches long, very fleshy, brittle but stringy. Seed medium sized, oval, flattened, very irregular, usually somewhat shriveled, dark brown. Ready for picking in 68 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 25c; 1 lb., 35c; 2 lbs., 60c

**65—McCASLAN**—An astonishing yielder of large, rich, deep green pods 8 to 10 inches in length, slightly flattened, stringless, meaty, and of delicious flavor. When allowed to ripen, the Shell Beans are pure white. If kept closely picked, vines continue to bear until frost. The McCaslan is a Pole Snap Bean that no Southern home or farm garden can afford to be without. Ready for picking in 65 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c

**66—STRIPED SCOTIA OR CORNFIELD**—A superb long green bean, succeeding better when planted in cornfield than any other variety. The handsome green pods average 8 or 9 beans to the pod, grow very uniform, about 6 inches long, thick meated, rich and buttery. It continues in bearing so long it might be called "Everbearing." Specially adapted to growing on corn, thus economizing space on valuable land, or where poles are scarce. Seed small-medium, kidney shaped, mottled putty color with dark striping. Ready for picking in 72 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 55c

**68—WHITE CREASEBACK**—Splendid snap beans for home garden and early market. Good climber, heavily productive. Pods light green,  $5\frac{1}{2}$  inches long,  $\frac{1}{2}$  inch wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds white; excellent for baking. Ready for picking in 63 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 55c

**70—ASPARAGUS OR YARD LONG**—An introduction from the Orient, very vigorous and productive, with pods 2 feet or more long, which are round, tender, of good quality. You will find it an interesting novelty and somewhat different in taste from other kinds; seeds reddish brown and very small. Ready for picking in 80 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c; 2 lbs., 75c

**71—WHITE KENTUCKY WONDER (Green Pod)**—This is truly a grand pole bean for home gardens, and in this respect excels anything I know of. The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. When allowed to ripen the shell beans of pure white are most excellent for winter use. Seed small, oval, white in color. Ready for picking in 64 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 55c

**72—WHITE OR SOUTHERN CORNFIELD**—A popular early green podded pole bean for snap-shorts; of rapid growth and very productive. Pods grow in clusters and are from 5 to 6 inches in length, perfectly rounded, being deeply creased or "saddle-backed." The dry seed is pure white and excellent for winter use. Seed small, oblong, white in color. Ready for picking in 65 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 55c

**725—SCARLET RUNNERS**—Useful as a vegetable and for ornamental purposes, producing sprays of bright scarlet flowers. Ready for picking in 80 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 35c; 1 lb., 65c; 2 lbs., \$1.25

## BUCHANAN'S CALIFORNIA ZINNIAS

Ten full size 10c packets, 10 colors—Crimson, Golden Yellow, Pink, Canary Yellow, Rose, White, Purple, Violet, Scarlet and Burnt Orange. Post paid. 75c



## POLE AND DWARF LIMA BUTTER BEANS

Lima Beans are not as hardy as Snap Beans and should not be planted before the ground is warm and frost is over. Plant Bush Limas in 3-foot rows, dropping three beans 15 inches apart in the row, eyes downward. For the tall varieties, set 6- to 8-foot poles firmly in the center of the hills 3 feet apart in 4-foot rows before the seeds are planted. Cover the beans  $1\frac{1}{2}$  inches deep; cultivate only when the vines are dry. One pound of the large seeded varieties plants 60 hills; 60 pounds to the acre. One pound of the small seeded varieties plants 100 hills; 30 pounds to the acre.

All Prices on this Page Post Paid. All 10c Pkts. 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

### "Butter Bean" Collection

Contains 1 large packet each of the following 4 varieties:

1 pkt. Fordhook Bush Lima  
1 pkt. Carolina Sieva  
1 pkt. Jackson Wonder Bush Lima  
1 pkt. King of the Garden  
Value 40c; Post Paid for 25c

**77—BUCHANAN'S LIMA OR POLE BUTTER BEAN**—This is an improved strain of the small type regular Butter Bean. Both pods and beans are larger than Sieva—in fact, they are very near as large as Large White Lima, and are wonderfully productive; vines always loaded with delicious, tender beans, and cook soft as butter. Ready for picking in 77 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c

**78—CAROLINA SIEVA OR SMALL LIMA**—This is the true Butter Bean. The seed beans are very small and white. The plants are of large growth, very early, vigorous and productive, and will stand more heat and drouth than any other of the Limas, and are one of the best for planting in the South. Ready for picking in 77 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 55c

**79—CALICO LIMA (Pole)**—A most wonderful producer. The beans are all colors, blotched, blue and red mottled; medium in size and superb in quality. This is an old garden variety that was lost track of for some time, but we have been fortunate in having a nice stock grown the past season. Ready for picking in 78 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 55c

**80—BUCHANAN'S MONSTROUS LIMA**—The pods of this variety are very large, often measuring 6 inches long and containing seven beans of the most excellent quality, and bearing about the same time as the Large Lima; the vines are vigorous and strong-growing; the seed are very large. These large Limas are not as prolific in the South as the smaller varieties. Ready for picking in 88 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c

**74—EARLY JERSEY**—About a week earlier than Large White Lima, with pods, and beans somewhat smaller. Ready for picking in 80 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 25c; 1 lb., 35c; 2 lbs., 60c

**75—LARGE WHITE LIMA**—This well known variety is one of the best of the larger varieties for planting in the South. Ready for picking in 88 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c

**76—KING OF THE GARDEN**—An improved strain of the Large White Lima. The pods are about an inch longer, proportionately wider, and uniformly 4-seeded. Ready for picking in 88 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c

## DWARF OR BUSH

**CULTURE**—One quart will plant 100 feet of row, or 3 pecks to the acre. Bush Limas require the same cultivation as stated above for Pole Limas, except that the rows should be 2 feet apart and 6 inches of space between each plant in the row.

**FIELD PLANTING**—In rows 4 feet apart and 6 inches apart in rows;  $\frac{1}{2}$  to  $\frac{3}{4}$  bushel to the acre. Ready in 10 weeks; 60 pounds in bushel.

**49—HENDERSON'S BUSH LIMA**—The original dwarf or bush butter bean, a dwarf type of the Small Pole Lima or Butter Bean. Valuable for its extreme earliness, yet it continues to set pods right up to frost. Of the true bush type, growing 18 to 20 inches high; very productive and a sure cropper; a fine bean to dry for winter use. This is the bean so popularly known throughout the South as "bush butter beans." Ready for picking in 68 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 55c

**50—BUCHANAN'S BUSH BUTTER BEAN**—This variety is very similar to Henderson's Bush, being quite similar in character and habit of growth, though the beans are somewhat larger and thicker. Pods are ready for use a week earlier than Burpee's Bush Lima. Ready for picking in 65 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c

**46—JACKSON WONDER BUSH LIMA (Also known as Florida Bush Butter Bean, Calico Bean and Speckled Bush Butter Bean)**—This bean originated in the South, where many gardeners prefer it to all other kinds of bush limas, claiming that it is the best bearer of them all, and that in dry seasons it is practically drouth-proof. The plants grow about 2 feet high and carry quite a load of pods that contain 3 to 4 beans each. It begins bearing early and continues till killed by frost. Ready for picking in 65 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 55c

**48—FORDHOOK BUSH LIMA**—The bush is of erect growth, holding the pods off the ground, so that they are not injured by being beaten to the ground by the wind or rain. Very prolific, the pods, which are produced in clusters, each contain four or five large, fat beans of exceptionally fine quality. Ready for picking in 75 days.

Pkt., 10c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 2 lbs., 65c

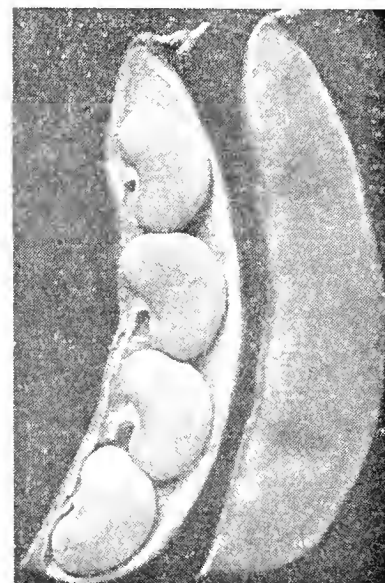
**7—BROCCOLI—ITALIAN GREEN SPROUTING**—This vigorous plant is entirely different from the white heading sorts. Cultivated like cabbage, it bears a succession of sprouting heads which, if kept cut, will be replaced by others for 8 or 10 weeks.

Pkt., 10c;  $\frac{1}{2}$  oz., 35c; 1 oz., 60c

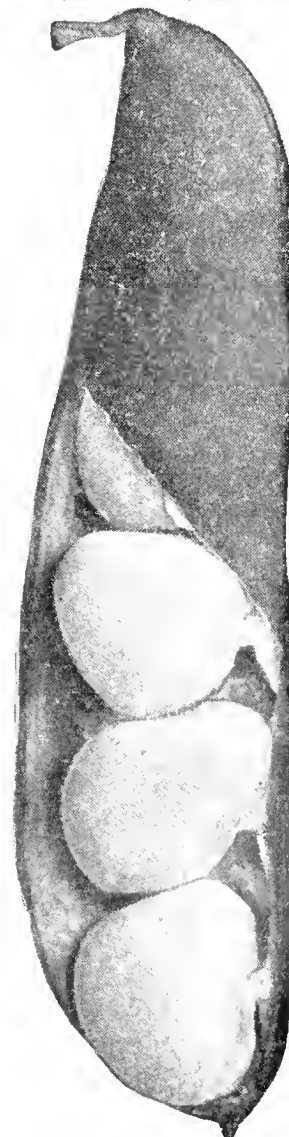
**8—BRUSSELS SPROUTS**—Small shoots, like miniature cabbages clustered around a stem, are the valuable part of this unique member of the cabbage family.

**HALF DWARF**—Plants 30 inches tall, very dependable; stem well covered with small firm cabbage-like balls of about  $1\frac{1}{2}$  inches in diameter.

Pkt., 10c;  $\frac{1}{2}$  oz., 15c; 1 oz., 25c;  $\frac{1}{4}$  lb., 75c



Carolina or Small Lima



Monstrous Lima





## GARDEN BEETS

For the earliest beets, plant in a hot bed and transplant. For early outdoor crop, plant in March and make successive plantings till the end of July; the late plantings are to make beets for winter use and the seeds should be well soaked before planting. Beets thrive best in a light, clean, deeply worked soil that has been previously well manured; smooth roots cannot be had if fresh manure is used. Plant in rows 15 to 16 inches apart, cover 1 inch and thin to 4 inches apart. Store as recommended on page 11 for storing carrots. One ounce will plant 50 feet of row; 6 to 8 pounds, 1 acre.

All Prices on this Page Post Paid. All 10c Pkts. 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed



Market Gardener Beet

**17—BUCHANAN'S MARKET GARDENER'S BEET** (60 days)—Our gardener's favorite, owing to its extreme earliness and uniformity in both shape and color. It is without a doubt the best beet for the home garden, or for canning. The tops are small and upright in growth. The leaves are dark green, shaded red. The roots are medium size, globular, very smooth and of dark blood red color, while the flesh is a deep vermilion red, zoned with lighter shade. It is unsurpassed in quality.  
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c

**24—CROSBY'S EGYPTIAN** (58 days)—We recommend Crosby's Egyptian as a combination of earliness, good shape, good color and good quality. The color is bright red, with bright vermilion-red flesh, very sweet and tender. We have a splendidly bred pedigreed stock that is early, has fine shape and color and we believe cannot be surpassed for quality.  
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c

**18—EARLY WONDER** (58 days)—If earliness is desired, you have it in Early Wonder, but you have most excellent quality as well. It is of the blood turnip type, uniform in size, shape and color, always smooth, never stringy, and a good keeper. The flesh is a deep rich red, sweet, crisp and tender. Although bred primarily for market growers, its many fine qualities commend it highly to the home gardener.  
Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 85c

**19—BUCHANAN'S CRIMSON GLOBE** (68 days)—A rich, deep crimson beet of perfect globe shape, smooth and clean. Matures very early, is of a most attractive appearance, and in quality is not surpassed by any other variety. We recommend it not only for market gardeners and truckers, but for the home garden as well.  
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c

**20—EXTRA EARLY EGYPTIAN** (60 days)—One of the very earliest, with small tops and best for forcing or early outdoor planting. Roots distinctly flat and moderately thick, very dark red; flesh dark purplish-red, zoned a lighter shade.  
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c

**21—EARLY BLOOD TURNIP** (65 days)—An extra selected, smooth, dark red beet of uniform size and first-class quality. One of the best for main crop, also for sowing in May or June to make late beets for storing for winter.  
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c

**22—EXTRA EARLY ECLIPSE** (65 days)—A very early beet, making handsome, smooth, round roots with small top and small tap-root, and nearly as early as the Egyptian. Color, bright red; flesh fine grained, sweet and tender.  
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c

**23—DETROIT DARK RED** (68 days)—Round; skin dark blood red, flesh bright red.  
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c

**25—LONG SMOOTH BLOOD** (75 days)—Recommended for late sowing to make a crop to put away for winter. A fine keeper, remaining sweet and tender until spring.  
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c

**26—SWISS CHARD** (Spinach Beet or Sea Kale) (55 days)—A real cut-and-come-again salad, for after cutting it quickly makes a new growth. It prefers a light soil, but grows anywhere, and does not shoot to seed in hot weather. Plant from early in the spring till July.  
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c

**27—SWISS CHARD** (Lucullus) (58 days)—An improved type of Chard. Of more upright growth than the Silver variety; leaves yellowish-green, much crumpled and curled; mid-rib and veins white; stalks thick, broad and flat.  
Pkt. 5c; oz., 10c; ¼ lb., 25c; lb., 70c

## STOCK BEETS OR MANGELS

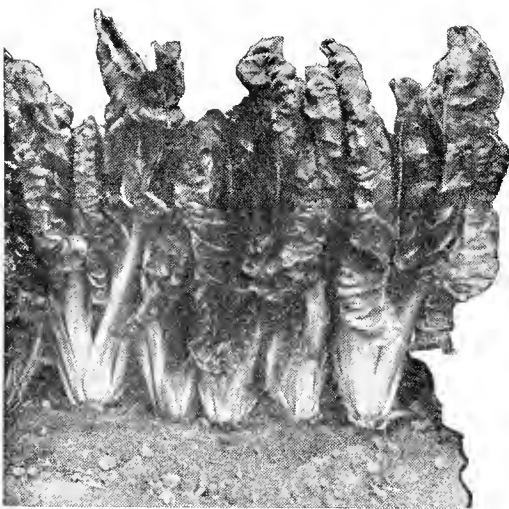
**CULTURE**—Plantings should be made beginning at corn planting time till the middle of June, soaking the seeds for 24 hours before planting. Make the rows 2 to 2½ feet apart, the drills 1 inch deep on lands that have plenty of moisture in the subsoil; on dry and sandy soil they should be planted deeper. Shallow plantings germinate better and give a larger proportion of vigorous plants. Thin out to stand 8 inches apart in the row; young plants may be transplanted to fill up vacancies. One ounce will sow 50 feet of drill; 6 pounds to acre.

**28—GIANT HALF SUGAR MANGEL** (90 days)—Desirable for stock feeding, affording not only a very large crop, much easier to harvest than other sorts, but also having higher nutritive value, being especially rich in sugar.  
Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 40c; 2 lbs., 65c

**29—GOLDEN TANKARD** (95 days)—The best known and most largely grown yellow mangel, and especially recommended for the dairyman on account of its milk-producing properties and the richer quality of the milk.  
Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 35c; 2 lbs., 60c

**30—MAMMOTH PRIZE LONG RED** (110 days)—No other mangel can compare with this variety in yield. Crops of 40 to 50 tons per acre have been made on good land and under thorough cultivation. The roots often weigh 20 to 25 pounds each. It grows well above ground, is easily pulled; the deep red roots are straight, well-formed and solid. A fine keeper and, at a low cost, will supply an abundance of succulent green food for stock of all kinds and for poultry. Especially adapted to deep soils.  
Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 40c; 2 lbs., 65c

**36—KLEIN WANZLEBEN** (95 days)—Roots medium large, 12 to 15 inches long, 3½ to 4 inches at shoulder, tapered; white with a tinge of gray; very rich in sugar content; good keeper.  
Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 35c; 2 lbs., 60c



Swiss Chard



Long Red Stock Beets

Stock Beets Produce Enormous Tonnage—Wonderful Dairy Feed. See Yellow List for Wholesale Prices.



## CARROTS

Plant in a light, rich, deeply-worked soil as early as you can work the ground, in drills 12 inches apart and  $\frac{1}{2}$  inch deep; press the soil firmly after planting and when well up, thin out to 3 or 4 inches apart in the row. For field culture, make the drills 18 to 24 inches apart; later plantings should be made in July and August for a late crop to store for winter. In dry weather soak the seeds before planting. To store for winter, pack in dry earth or sand in the cellar or put them outside on a well-drained situation, covering with a few inches of straw and 6 to 8 inches of earth to protect from frost. One ounce will plant 100 feet of drill; 3 to 4 pounds to the acre.

**All Prices on this Page Post Paid. All 10c Pkts. 3 for 25c**  
**Quantity Prices—Not Prepaid—See Yellow Price List Enclosed**

**103—OXHEART (72 days)**—One of the heaviest yielders and the best for stiff and heavy soils where the long varieties would fail. The roots are often 3 to  $3\frac{1}{2}$  inches thick at the top; nearly oval in shape; the flesh is bright orange, fine grained and sweet. Of the finest table qualities and equally good for stock.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb. 25c; lb. 90c

**104—EARLY SCARLET HORN (63 days)**—Not only the earliest variety on our list, but the earliest real good carrot. The roots are from 3 to  $3\frac{1}{2}$  inches long,  $1\frac{1}{2}$  inches thick at the shoulder, tapering to 1 inch at the bottom. It has scarcely any core, is fine grained and sweet flavored. Color, bright orange scarlet. Has small tops.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; lb. 75c

**105—DANVERS HALF-LONG (75 days)**—This handsome, half-long, orange carrot is adaptable to all soils. Its roots are smooth and longer than the Chantenay; the tops are medium size. The mature roots are 7 to 8 inches long, tapering uniformly to a blunt end. Its flesh is a deep, rich orange color, tender, sweet and crisp. It outyields any other variety.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 80c

**106—LONG ORANGE (88 days)**—Especially fine on light soils, making long, smooth, tapering roots of a deep orange color, free from side roots and superior in every respect. A fine winter sort for stable, market and stock.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 80c

**108—CHANTENAY (72 days)**—Very popular because of its beautiful appearance and excellent table quality. Its length will average  $5\frac{1}{2}$  inches; its color is a rich, bright orange-red. The roots are the half-long type, smooth, free from side rootlets, and unusually uniform. The crisp, tender and fine flavor makes it even more desirable. Our stock has been finely bred and may be planted with absolute confidence by market gardeners and truckers. Ready to pull in 60 days. (See illustration.)

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 80c

## CARROTS FOR STOCK

Carrots are eaten by all kinds of stock. They impart a beautiful butter-yellow color to the milk when fed milch cows. As a winter feed they form a wholesome addition to the stock's rations.

**106-A—LONG ORANGE (90 days)**—The roots are thick, tapering, 12 inches long, and a deep orange color. A heavy cropper. They develop best in a light, rich soil.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 80c

**107—LARGE WHITE BELGIAN (93 days)**—Roots grow about 12 inches long and are of good quality. A heavy yielder.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 20c; lb., 65c

## CELERY

**CULTURE**—Sow in beds in February or March and keep them well watered. Transplant to moist, mucky soil; 6 inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top; 1 ounce of seed produces 2,000 plants.

**121—IMPROVED WHITE PLUME (112 days)**—A magnificent celery for early use, and being self-blanching, requires but little working. The stalks and leaves naturally turn white upon reaching maturity. In succulence, crispness and flavor it is all that can be desired.

Pkt., 5c; oz., 25c; 2 oz., 40c;  $\frac{1}{4}$  lb., 70c; lb., \$1.95

**122—GOLDEN SELF-BLANCHING (118 days)**—American grown. The best self-blanching sort, it acquires a handsome golden color without having to be hilled up, which makes a very valuable market sort.

Pkt., 5c; oz., 25c; 2 oz., 40c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00

**123—GIANT PASCAL (135 days)**—In the South this is more generally grown than any other late celery. For fall and early winter it is certainly one of the best. It makes large, thick, solid stalks, with a beautiful creamy-yellow heart; blanched easily and quickly; very crisp and of fine nutty flavor.

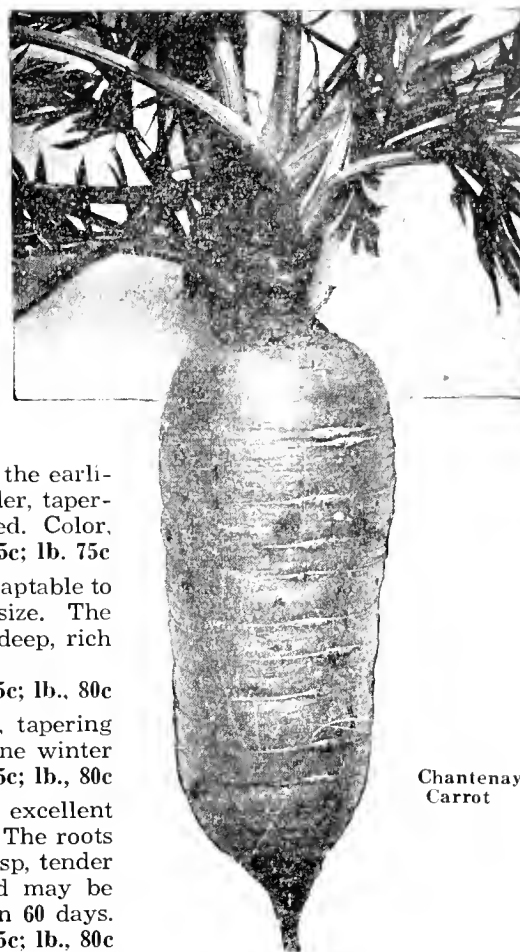
Pkt., 5c; oz., 25c; 2 oz., 40c;  $\frac{1}{4}$  lb., 70c; lb., \$1.95

## CAULIFLOWER

**CULTURE**—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins, fasten leaves over top of head to whiten; 1 ounce of seed makes 2,000 plants.

**109—EXTRA EARLY SNOWBALL (55 days)**—There is no better cauliflower for Southern growers, and our strain is as fine as can be had at any price. It is not only the earliest to head, but a remarkably sure header, making large, solid, perfect, pure white heads of the finest quality. Late summer and fall crop.

Pkt., 10c;  $\frac{1}{2}$  oz., 65c; oz., \$1.00; 2 oz., \$1.80;  $\frac{1}{4}$  lb., \$3.00



Chantenay  
Carrot

### CARROTS

Because of their high vitamin content, Carrots are recognized as one of our most nutritious and wholesome foods. As a table delicacy, half-grown Carrots can seldom be surpassed. Housewives today know many excellent ways of preparation that bring forth the full zest of their flavor. Raw Carrots, particularly in combination with cole-slaw, is a new item of diet recommended by dietitians.



Danvers Half Long

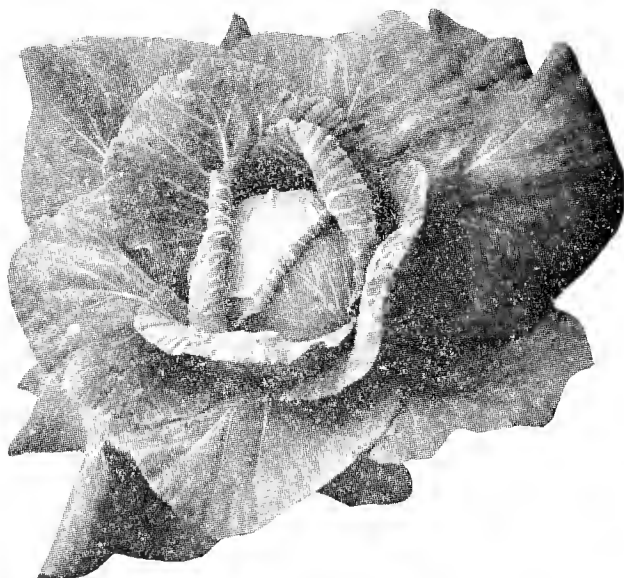
Long Orange

**Carrots Make a Wonderful Dairy Feed—They Produce Better Milk and Better Coloring**





Early Jersey Wakefield



Golden Acre



Early Drumhead



Chinese Pe-Tsai or Celery Cabbage

## CABBAGE SEED

**CULTURE**—Cabbage is a very gross feeder, and well repays heavy manuring and high culture. It succeeds best on well-drained soil. The plants are started in frame or seed bed, and afterwards transplanted. Seed for early cabbage may be started in autumn in a cold frame, or in early spring in a hotbed. For main crop, summer and autumn cabbage, the seed should be sown in a rich border in the open air, in May or June. Sow shallow; a packet will produce about 250 plants; an ounce 2,000 plants;  $\frac{1}{4}$  pound for an acre. Set plants  $1\frac{1}{2}$  by 3 feet apart.

## EARLY VARIETIES

**86—EARLY JERSEY WAKEFIELD** (62 days) — A leading variety and one of the best for private or market gardeners' use; conical shape.

Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 15c; 2 ozs., 30c;  $\frac{1}{4}$  lb., 50c; lb., \$1.10

**87—CHARLESTON LARGE WAKEFIELD** (73 days)—This is a few days later than the Early Jersey Wakefield, but makes a larger and firmer head. We strongly recommend it as the best main crop early cabbage grown, for the home garden and market. Our seed of this is grown from a specially selected stock.

Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c; 2 ozs., 35c;  $\frac{1}{4}$  lb., 50c; lb., \$1.15

**94—COPENHAGEN MARKET** (73 days)—The earliest, large, round-headed cabbage yet introduced. The heads are round, very solid and exceptionally good quality.

Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 ozs., 40c;  $\frac{1}{4}$  lb., 60c; lb., \$1.25

**84—GOLDEN ACRE** (65 days)—The outstanding new variety of today. Earliest round heading variety; extra early strain of Copenhagen market type, maturing round, hard heads, slightly smaller, but about one week earlier than the best and earliest Copenhagen market. Small stalks and outer leaf growth, allowing close planting; has a smoother and slightly greener leaf than Copenhagen, stands heavy manuring and makes on rich soil practically as large heads as Copenhagen. Heads of our Golden Acre are remarkably solid, of fine quality and with small core. It is a money maker for the shipper for highest early market prices, a fast seller because its size suits the small family and more are sold to larger families. Also fine for early home garden cabbage.

Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 ozs., 45c;  $\frac{1}{4}$  lb., 60c; lb., \$1.50

## SECOND EARLY VARIETIES

**98—ALL HEAD EARLY** (80 days)—The largest heading of the second early sorts, of excellent quality. The deep flat heads are remarkably solid, and very uniform in size, of a very compact growth, having a few outer leaves; can be planted as close as the Wakefield.

Pkt., 5c;  $\frac{1}{2}$  oz., 20c; oz., 30c; 2 ozs. 50c;  $\frac{1}{4}$  lb., 70c; lb., \$1.75

**96—SOLID SOUTH** (70 days)—A magnificent cabbage, resembling the Early Summer.

Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 ozs., 40c;  $\frac{1}{4}$  lb., 60c; lb., \$1.25

**99—EARLY DRUMHEAD** (75 days) — A second early, large, round, solid-heading variety.

Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c; 2 ozs., 35c;  $\frac{1}{4}$  lb., 50c; lb., \$1.15

**101—EARLY FLAT DUTCH** (90 days)—For a second early to follow Wakefield this is in every way satisfactory. A sure header, makes large, flat, solid heads that in point of quality are the equal of any. Has comparatively few outside leaves, the heads being large for the size of the plant. Plant it again in April or May for a summer crop.

Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c; 2 ozs., 35c;  $\frac{1}{4}$  lb., 50c; lb., \$1.15

**85—ALL SEASONS** (90 days)—Splendid general purpose cabbage; good winter keeper; widely used for kraut; remarkably thrifty in hot dry weather. Heads large, commonly 10 to 11 inches across, 8 inches deep and weigh 9 to 10 lbs.; of splendid quality.

Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c; 2 ozs., 35c;  $\frac{1}{4}$  lb., 50c; lb., \$1.15

**91—SUCCESSION** (85 days)—Long a favorite with Southern market gardeners and shippers. A good second early, following in maturity varieties like our All Head Early and Sure Head. Medium to large size, solid and a reliable header.

Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 15c; 2 ozs., 25c;  $\frac{1}{4}$  lb., 50c; lb., \$1.10

## CHINESE OR CELERY CABBAGE

Has been used by the Chinese as a table vegetable and for a green poultry food for centuries—it will grow more tender green food than any greens of its class.



## LATE OR WINTER VARIETIES

97—**SUREHEAD** (95 days)—This variety produces large heads, weighing 15 to 20 pounds. The quality is good, and it can be grown either as a second early or late sort.

Pkt., 5c; ½ oz., 10c; 1 oz., 20c; 2 ozs., 35c; ¼ lb., 50c; 1 lb., \$1.10

93—**IMPROVED LARGE LATE FLAT DUTCH** (95 days)—Heads large, bluish-green, round, solid and broad on top, more extensively planted than any other variety.

Pkt., 5c; ½ oz., 10c; 1 oz., 20c; 2 ozs., 35c; ¼ lb., 50c; 1 lb., \$1.10

92—**IMPROVED LARGE LATE DRUMHEAD** (110 days)—We recommend this for late market. For heading, evenness of crop and size, our strain of this cannot be surpassed.

Pkt., 5c; ½ oz., 10c; 1 oz., 20c; 2 ozs., 35c; ¼ lb., 50c; 1 lb., \$1.10

100—**DRUMHEAD SAVOY** (90 days)—This is undoubtedly the finest type of Winter Cabbage. After having been frosted it boils like marrow, and is not surpassed even by the cauliflower in its best condition.

Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 40c; ¼ lb., 60c; 1 lb., \$1.25

88—**MAMMOTH RED ROCK** (110 days)—This is the largest variety of Red Cabbage and produces heads which are remarkably solid, more so than any other kind. The heads are round with spreading outer leaves and matures at a late season. It is the best and most attractive Red Cabbage grown.

Pkt., 5c; ½ oz., 20c; 1 oz., 30c; 2 ozs., 50c; ¼ lb., 70c; 1 lb., \$1.75

## CHINESE PE-TSAI OR CELERY CABBAGE

83—**CELERY CABBAGE** (70 days)—Chinese or Pe-Tsai. A wonderful salad plant, growing 15 to 16 inches high, somewhat resembling cos lettuce or probably more like Swiss chard. It yields an unusual amount of most excellent salad. Cut up like cabbage and served with mayonnaise or French dressing, it makes a splendid cole-slaw. Can be boiled like cabbage if cooked quickly and served with cream sauce, but is without the strong flavor and odor of cabbage. The hearts blanch to a crystalline white; whiter than lettuce and more beautiful than cabbage—every leaf, including the outside ones, is delicate and tender. Be sure to plant some just to know how good it is.

Sow early in the spring and again in July and August, transplanting 18 inches apart in 2½-foot rows. Time your spring planting so it will head before hot weather; it heads in 80 to 90 days.

Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 40c; ¼ lb., 60c; 1 lb., \$1.25

## SOUTHERN COLLARDS

**CULTURE**—One ounce will produce about 1,500 plants, or 150 feet of row. In the South, seed may be sown from January to May and from August to October.

127—**GEORGIA WHITE CABBAGE** (48 days)—Whiter and more tender than the Blue Stem. Introduced 15 years ago. Three-fourths of them bunch or head up in winter, weighing 10 pounds or more. Plants grow 30 to 40 inches high and as much across.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 25c; 1 lb., 55c

126—**SOUTHERN OR BLUE STEM** (50 days)—This variety is the old-time favorite. It stands all sorts of adverse conditions without injury, and will make a good crop where the soil is too poor to grow cabbage, and it makes an excellent substitute for that vegetable. Is very hardy, stands winter without serious injury.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 25c; 1 lb., 55c

128—**NORTH CAROLINA** (55 days)—A decided improvement and has proved very popular wherever grown. Has short stems, large spreading leaves, very hardy, withstanding drouth in summer and cold in winter. Its flavor and cooking qualities are the very best.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 25c; 1 lb., 55c

## CHICORY

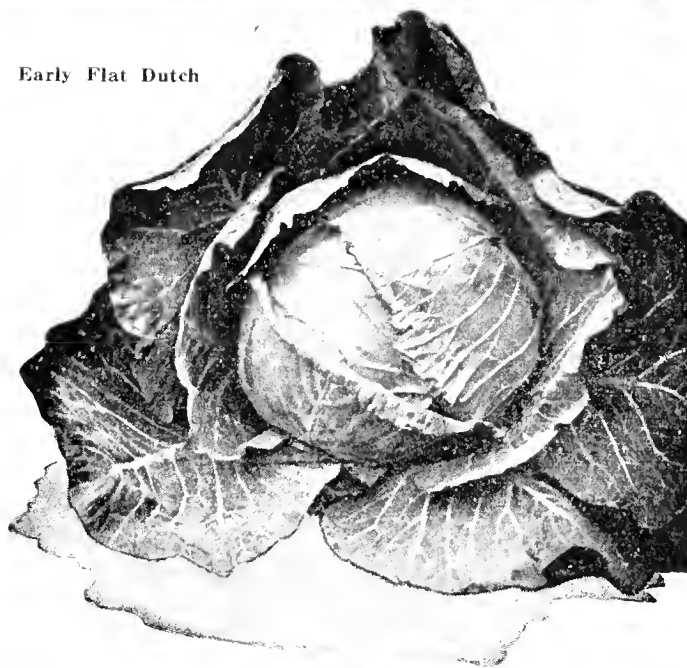
119—**WITLOOF-CHICORY, OR FRENCH ENDIVE** (75 days)—Witloof is used principally as a winter salad, and is most delicious served with French dressing and eaten like cos lettuce. The seed should be sown in the open ground and not later than June in drills 12 to 18 inches apart, and the seedlings should be planted to stand not closer than 3 inches.

Pkt., 10c; ½ oz., 15c; 1 oz., 25c; ¼ lb., 65c; 1 lb., \$1.25

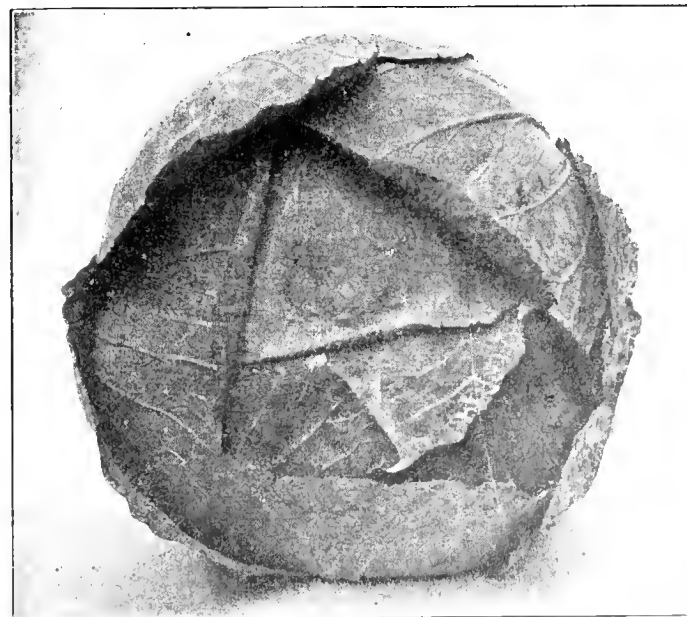
120—**CARDOON** (100 days)—Large Spanish. Main stalks are blanched like celery; used for salad or in soups.

Pkt., 10c; ½ oz., 25c; 1 oz., 50c; ¼ lb., \$1.00; 1 lb., \$3.50

Early Flat Dutch



Succession



Late Drumhead

## FROST PROOF CABBAGE PLANTS

Prices—Parcel Post Prepaid:  
100 for 40c; 200 for 70c; 500 for \$1.25; 1,000 for \$2.25.  
By Express, Not Prepaid, from Growing Station:  
1,000, \$1.40; 3,000, \$3.75; 5,000, \$6.25.  
See also page 6.





## GARDEN AND SWEET CORN

**CULTURE**—The grains of sweet corn are shriveled and rather tender and cannot be planted quite as early as field varieties. Leaves on trees should be well out and the ground warm before planting. Make hills  $2\frac{1}{2}$  to 3 feet apart each way, dropping 5 or 6 grains in each hill, thinning out afterward to 2 or 3 stalks to the hill. A continuous supply can be kept up by planting early, medium and late varieties at one time, or by making several plantings at intervals of 15 days. Seed required: One pound to 200 hills; about 14 pounds (1 peck) per acre.

ALL CORNS ARE VERY SCARCE AFTER THE 1934 DROUTH, THE MOST DISASTROUS THIS COUNTRY HAS EVER KNOWN

All Prices on this Page Post Pats. All 10c Pkts. 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

## Extra Early Varieties

**134—GOLDEN BANTAM (Sugar) (80 days)**—The sweetest and most delicious extra early corn for the home garden. Extremely early and very productive. The stalks grow only 5 feet in height and, where space is limited, the hills can be as close as  $2\frac{1}{2}$  feet apart. Each stalk bears 2 or 3 well-filled ears, 6 to 7 inches in length. The kernels are of a beautiful yellow color, very milky, tender and sweet.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 40c; 2 lbs., 60c; 5 lbs., \$1.35

**135—EXTRA EARLY ADAMS (Sweet) (75 days)**—Owing to its extreme earliness it is used for a first early table corn in the South. The stalks are about 4 feet high, with small tassel, very few leaves, and without suckers. The ears are short, very full, 12 to 14-rowed, often nearly as thick as they are long and well covered with coarse husks.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.15

**132—WHIPPELL'S EARLY YELLOW (Sugar) (84 days)**—An extra early yellow Sugar Corn. Larger and earlier than Golden Bantam. Stalks grow 5 to 6 feet, and many produce two large ears. Kernels bright yellow, tender, sweet, and finest quality. Whippell's Early Yellow Sugar Corn is ready for the table in about seven weeks.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 40c; 2 lbs., 60c; 5 lbs., \$1.35

**133—GOLDEN SUNSHINE (Sugar) (76 days)**—Also an early variety of the Golden Bantam type, growing from 5 to  $5\frac{1}{2}$  feet high and producing ears 7 to 8 inches long, with sweet, luscious yellow grains, matures 3 to 4 days later than Golden Bantam.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 55c; 5 lbs., \$1.20

## Medium Early Varieties

**136—ADAMS EARLY LARGE (Sweet) (85 days)**—One of our leading varieties. Matures about 2 weeks later than the Extra Early Adams but ears are larger and handsomer. The stalks are vigorous, averaging 7 feet in height, and well bladed. This and the Adams Extra Early are very hardy and can be planted earlier than sweet corns.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., \$1.10

**137—TRUCKER'S FAVORITE (Sweet) (75 days)**—For a second early, to follow Early Adams, this is unquestionably one of the best; or for planting late to mature quickly it is equally valuable. It is a white corn, with good depth of grain, tender and sweet, and a most desirable size for roasting ears. Besides being a fine garden corn, it is a splendid field corn to follow potatoes and other early crops. The ears are large and well filled.

Pkt., 10c;  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c

## Main Crop Varieties

**138—STOWELL'S EVERGREEN (Sugar) (96 days)**—The standard main crop variety, much used for the home garden, market, and canning. It is hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling. The ears are about 10 to 12 inches long, 14 to 20-rowed, with very white grain. The stalks are about  $7\frac{1}{2}$  feet high.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 40c; 2 lbs., 60c; 5 lbs., \$1.35

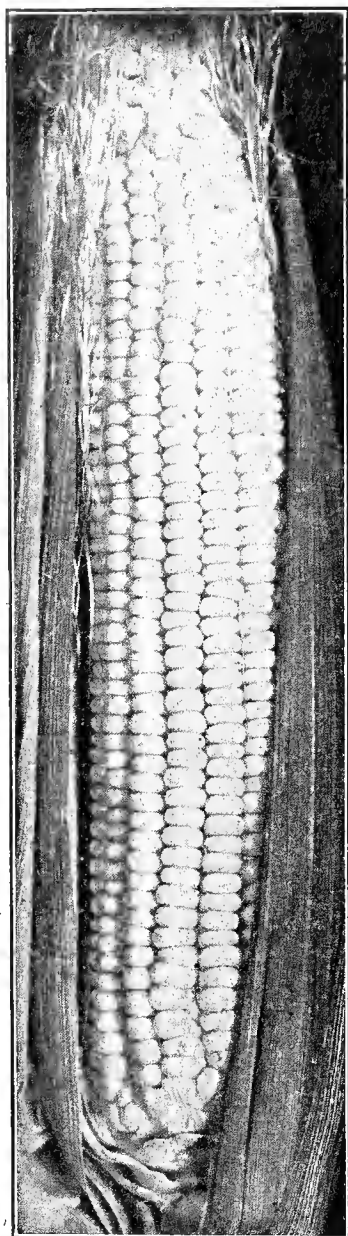
**140—COUNTRY GENTLEMAN (Sugar) (93 days)**—One of the best known of the mid-season varieties. It is the old shoe-peg type of kernel, pure white, very sweet and tender. It is a good yielder, producing 2 to 3 good-sized ears to the stalk.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 40c; 2 lbs., 60c; 5 lbs., \$1.35

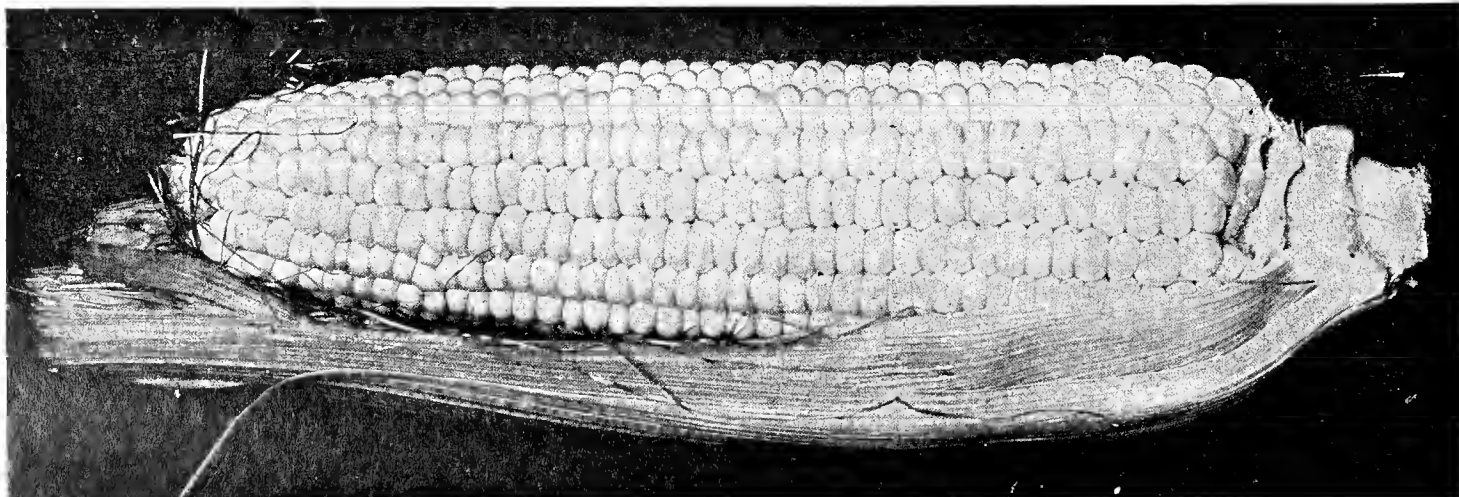
**141—EARLY SURPRISE (75 days)**—A wonderful roasting ear corn, especially bred for market gardeners' use; when planted at the same time as Large Adams it is ready for use just when the Large Adams is giving out; it is the best corn to use for succession plantings all through the season. In eating, this corn is slightly sweet, resembling sugar corn in

taste. One of our market gardener customers produced three crops of roasting ears on the same ground one season with this wonderful corn. Average height of stalk about 6 feet, the ear is thick, well grained to the end of the cob, rows of grain straight and uniform. When cut green for market the ears average from 12 to 14 inches in length, sell quicker and command a much better price than corns of the Adams type. It is very productive, producing two and often three good ears to the stalk. Being hardy, can be planted at same time as Adams Early, as it will stand much cold and wet weather.

Pkt., 10c;  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c



Large Adams



Early Surprise Corn



## CUCUMBER SEEDS

**CULTURE**—One ounce will plant 50 hills; 1 to 2 pounds will plant 1 acre. Cucumbers succeed best in warm, rich, sandy loam, and should not be planted in open air until there is a prospect of settled warm weather. Plant in hills about 4 feet apart each way, and when all danger of insects is past, thin out the plants, leaving 3 or 4 of the strongest to each hill.

All Prices This Page Post Paid; 10c Pkts., 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow List

**159—"THE VAUGHAN"** (70 days)—The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 5c; 1 oz., 15c; 2 ozs., 30c; ¼ lb., 50c; 1 lb., \$1.50

**160—CHICAGO PICKLE** (59 days)—Since introduced this pickle has been a success. The fine shape, right size and excellent quality in this splendid pickle are matters of great pride with us. When ripe the fruit is medium size, blunt at both ends, has prominent black spines.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 45c; 1 lb., \$1.35

**161—CUMBERLAND PICKLE (Large)** (59 days)—The best pickling cucumber in cultivation. For productiveness it is unequalled, and the quality is the very best.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., \$1.25

**162—DAVIS PERFECT** (65 days)—Fine length, slimmness, beautiful dark green color, transparent-like flesh with deliciously cool, refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this popular Long White Spine variety. Its extremely vigorous growth makes it the best blight resister of the long sorts.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 45c; 1 lb., \$1.35

**163—EARLY GREEN CLUSTER** (55 days)—Very early variety, bearing in clusters of two and three. If kept gathered from the vines it will continue to set fruit through a long season; a splendid variety for pickling. Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., \$1.25

**164—EARLY FORTUNE** (64 days)—An especially fine, medium length White Spine Cucumber much planted in the South for shipment to the Northern markets. It has a fine, dark green color which it holds for a long time after picking.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 45c; 1 lb., \$1.35

**165—IMPROVED WHITE SPINE** (60 days)—Medium size, straight, always fine yielder; light green.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., \$1.25

**166—IMPROVED LONG GREEN** (70 days)—The vines are vigorous, and productive; the fruit (12 inches long) is formed almost as early as on the short sorts. The flesh is very firm and crisp and has a distinctive flavor; they make excellent pickles, and when yellow and ripe the best sweet pickles. The best of the "black spine" varieties.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., \$1.25

## KALE OR BORECOLE

**CULTURE**—One ounce to 200 feet of row; 4 pounds to the acre. Kale is extensively grown in the South during the fall, winter and spring. Seed may be sown any time from August to October, and again during February and March, broadcast or in drills, 18 inches apart.

**187—DWARF CURLED SIBERIAN** (65 days)—Very hardy and vigorous growing variety of spreading habit, its foliage having a distinct bluish tinge. This is the most popular variety grown, especially in the South.

Pkt., 5c; 1 oz., 10c; ¼ lb., 25c; 1 lb., 65c

**188—DWARF CURLED SCOTCH** (55 days)—This variety is extensively grown in the South for shipment north. Leaves finely curled, long and attractive.

Pkt. 5c, 1 oz., 15c; ¼ lb., 30c; 1 lb., 75c

**189—TALL GREEN CURLED SCOTCH** (60 days)—The plant of this variety grows 3 to 4 feet high, bearing long plume-like light green leaves, which are deeply cut.

Pkt., 5c; 1 oz., 15c; ¼ lb., 35c; 1 lb., 75c

**167—GHERKIN** (60 days)—A very small oval, prickly sort, distinct from all others. It is grown for pickles only and must be used when young.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., \$1.25

**168—JAPANESE CLIMBING** (60 days)—This is a distinct variety, having a heavy vine and large leaves and being quite resistant to disease and insects. It is a black spine cucumber and may be used for pickling or slicing; good quality and of a dark green color when young, turning to a russet-yellow when ripe.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 45c; 1 lb., \$1.35

**169—MIXED CUCUMBERS** (50 to 65 days)—A mixture of all varieties, to give you both eating and pickling cucumbers with one planting.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., 95c

**170—EVERLASTING** (55 days)—A productive, main crop variety quite similar in appearance to Early Frame, though fruit is not thick; a fair pickler.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 45c; 1 lb., \$1.35

**171—NORTON'S WHITE SPINE** (60 days)—A very fine strain of White Spine, showing evidences of its Emerald parentage in occasionally throwing a smooth, green type. Fruits very rich dark green, thick and nearly square-ended; plant healthy, vigorous and productive. Popular as a shipping variety.

Pkt., 5c; 1 oz., 15c; 2 ozs., 30c; ¼ lb., 50c; 1 lb., \$1.50

	Pkt.	Oz.	¼ lb.
<b>117—TRUE WATER CRESS</b> (50 days)	10c	40c	\$1.25
<b>116—CRESS (Upland)</b> (60 days)	10c	15c	.40
<b>175—ENDIVE—EARLY GREEN</b> (95 days)	5c	20c	.50
<b>176—ENDIVE—BROAD LEAVED</b> (95 days)	5c	20c	.50
<b>183—EGG PLANT—BLACK BEAUTY</b> (81 days)	5c	35c	1.00
<b>178—KOHL-RABI—WHITE VIENNA</b> (60 days)	5c	20c	.65
<b>180—LEEK—AMERICAN FLAG</b> (80 days)	5c	20c	.60
<b>118—CHERVIL (Curled)</b>	10c	15c	.50

## HERBS

For flavoring soups, meats. All Herbs, pkt., post paid, 10c.

**SWEET BASIL**—Leaves used for flavoring soups, stews, etc.

**CHIVES SEED**—Used for seasoning.

**DILL**—Leaves used in pickles and soups.

**MARJORAM, SWEET**—Leaves and shoots used for flavoring. Also dried for winter.

**ROSEMARY**—Leaves used for seasoning.

**SAGE SEED**—Leaves and tops used for seasoning.

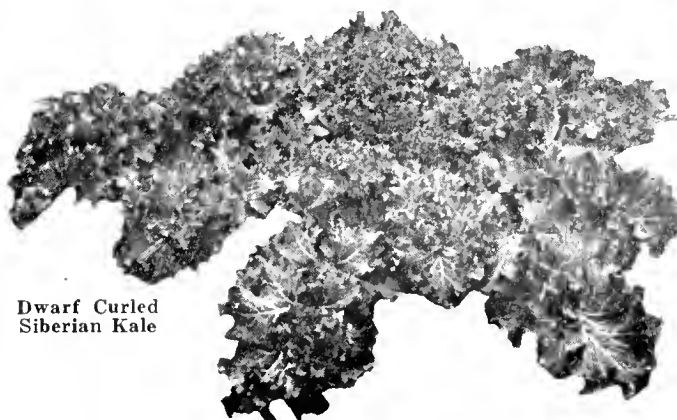
**THYME**—Used for seasoning; tea is also made for headaches.



Cumberland Pickle



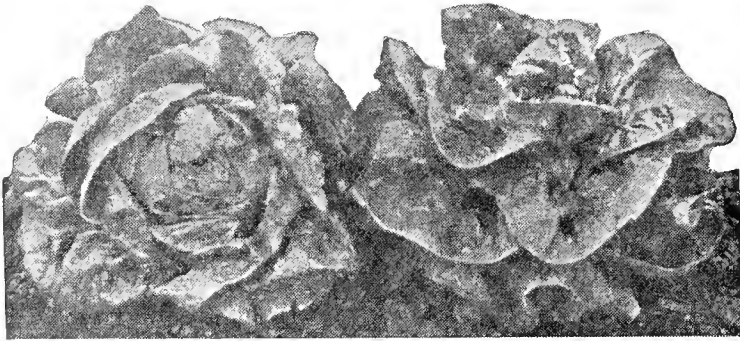
Long Green



Dwarf Curled  
Siberian Kale



## LETTUCE SEED



Wonderful Lettuce

**196—BIG BOSTON (H)** (76 days)—This marked variety is very popular for outdoor culture and is also in demand as a compact, large heading, forcing sort for cold frame. The plants are large, very hardy and vigorous. The leaves are broad, comparatively smooth but wavy at the edge, thin, very hard and crisp.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., 95c

**205—WONDERFUL (H)** (80 days)—Immense heads, solid as a cabbage; blanches beautifully; crisp, tender and free from bitterness. It produces immense heads, often 15 and 16 inches across. The interior is beautifully blanched, creamy-white, crisp, tender and delicious, being absolutely free from any trace of bitterness, rooting deeply, resisting hot, dry weather.

Pkt., 5c; 1 oz., 20c; 2 ozs., 30c; ¼ lb., 50c; 1 lb., \$1.25

**198—EARLY WHITE CABBAGE (H)** (70 days)—A desirable variety for summer or fall, forming large, compact and beautiful heads. Color, light green; stands heat and drouth remarkably well. The heads will frequently weigh from 2 to 3 pounds each.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., \$1.00

**195—WAYAHEAD LETTUCE (H)** (63 days)—Shows a remarkable combination of earliness, firm heading character, a handsome and fine quality. Both in cold frames early in spring and in the open ground in spring, summer and early fall months it has proven to be the very earliest, surest heading of all early lettuces.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., \$1.00

**204—EARLY CURLED SIMPSON (L. L.)** (60 days)—A leading early, loose-heading variety of fairly large size; leaves broad, crumpled and well frilled at the edges; color light green.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 35c; 1 lb., 95c

**207—ICEBERG (H)** (84 days)—A large, late, crisp cabbage-heading variety; heads very firm, hard and well blanched; leaves unusually broad and quite blistered and crumpled.

Pkt., 5c; 1 oz., 15c; 2 ozs., 30c; ¼ lb., 45c; 1 lb., \$1.00

**208—MIGNONETTE (H)** (67 days)—A small, early, crisp and curled cabbage-heading variety; plant compact, forming a hard, globular, well-blanced head; leaves broad, crumpled and twisted; color, medium dark brown, dark greenish tinge.

Pkt., 5c; 1 oz., 15c; 2 ozs., 30c; ¼ lb., 45c; 1 lb., \$1.10

**202—GRAND RAPIDS (L. L.)** (45 days)—This is probably the best of the loose-leaved varieties. It forms no head, but produces an abundant crop of pale green leaves, slightly but closely crumpled, which, even when old, retain their characteristic sweetness and brittle character.

Pkt., 5c; 1 oz., 15c; 2 ozs., 30c; ¼ lb., 45c; 1 lb., \$1.00

**203—PARIS WHITE COS (L. L.)** (55 days)—Has long, smooth, narrow, upright leaves, and blanches nicely when tied up; color, medium green; quality fine.

Pkt., 5c; 1 oz., 15c; 2 ozs., 30c; ¼ lb., 45c; 1 lb., \$1.10

**197—CALIFORNIA CREAM BUTTER (H)** (75 days)—Plant compact, heads large, globular and very firm; leaves broad, blistered and crumpled and very thick.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., \$1.00

**201—CHICKEN LETTUCE** (55 days)—Unlike any you have ever grown, plant grown for greens. Three to four feet high, loaded with leaves that may be pulled like kale. After cutting it keeps on growing.

Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 35c; 1 lb., 95c

**CULTURE**—One ounce will produce 3,000 plants. For early use, sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to the middle of August, every 2 or 3 weeks for succession. Those marked (L. L.) are loose leaf varieties, and those marked (H) are heading varieties.

All Prices on this Page Post Paid. All 10c Pkts. 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

## MUSTARD SEED

**CULTURE**—One ounce will sow about 80 feet of drill. For early salad, sow in February, and for general crop, at intervals through the spring and fall, in rows 6 inches apart, and rather thick in rows.

**243-A—SOUTHERN GIANT CURLED MUSTARD (Long Standing)** (30 days)—First Gold Medal winner; from a single plant selection and continued selection to the long standing quality more curled, of a brighter, softer color than the original variety; not new; introduced in Holland in 1927. Planted in spring, it will not bolt to seed as quickly as the original, holding its own against hot weather for 15 to 20 days longer than the original before going to seed. Best for Southern market gardens.

Pkt., 10c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 40c; 1 lb., 60c; 5 lbs., \$2.25

**243—SOUTHERN GIANT CURLED** (35 days)—Plant vigorous and hardy, of upright, spreading growth; leaves large, light green-tinged yellow, much crumpled and frilled at the edges. The popular market variety in the South.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 45c; 5 lbs., \$1.45

**244—ELEPHANT EAR (Smooth Leaf)** (40 days)—This is a splendid variety for market gardeners and amateurs, and will surely give satisfaction wherever planted. The leaves are smooth, very large, and tender and succulent. Makes a large plant.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 45c; 5 lbs., \$1.45

**245—NEW CHINESE** (40 days)—A very vigorous sort; leaves light green, much crumpled, about twice the size of White.

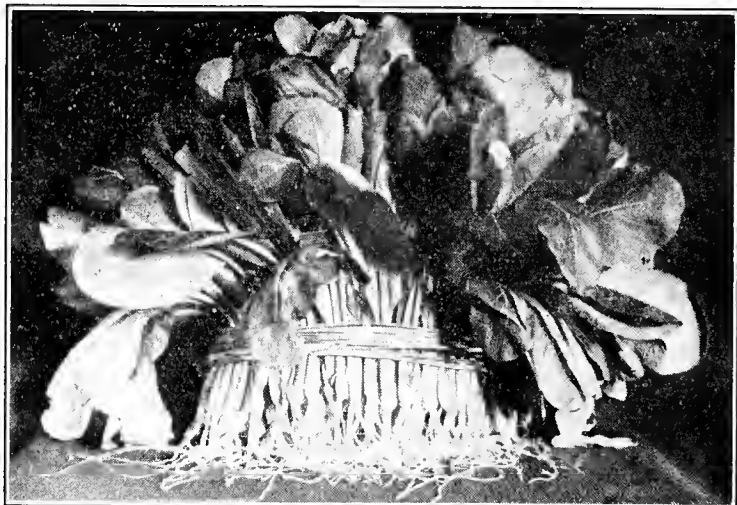
Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 45c; 5 lbs., \$1.45

**246—WHITE MUSTARD** (45 days)—Will stand the winter and adapted for fall planting; used for salad.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 40c; 5 lbs., \$1.40

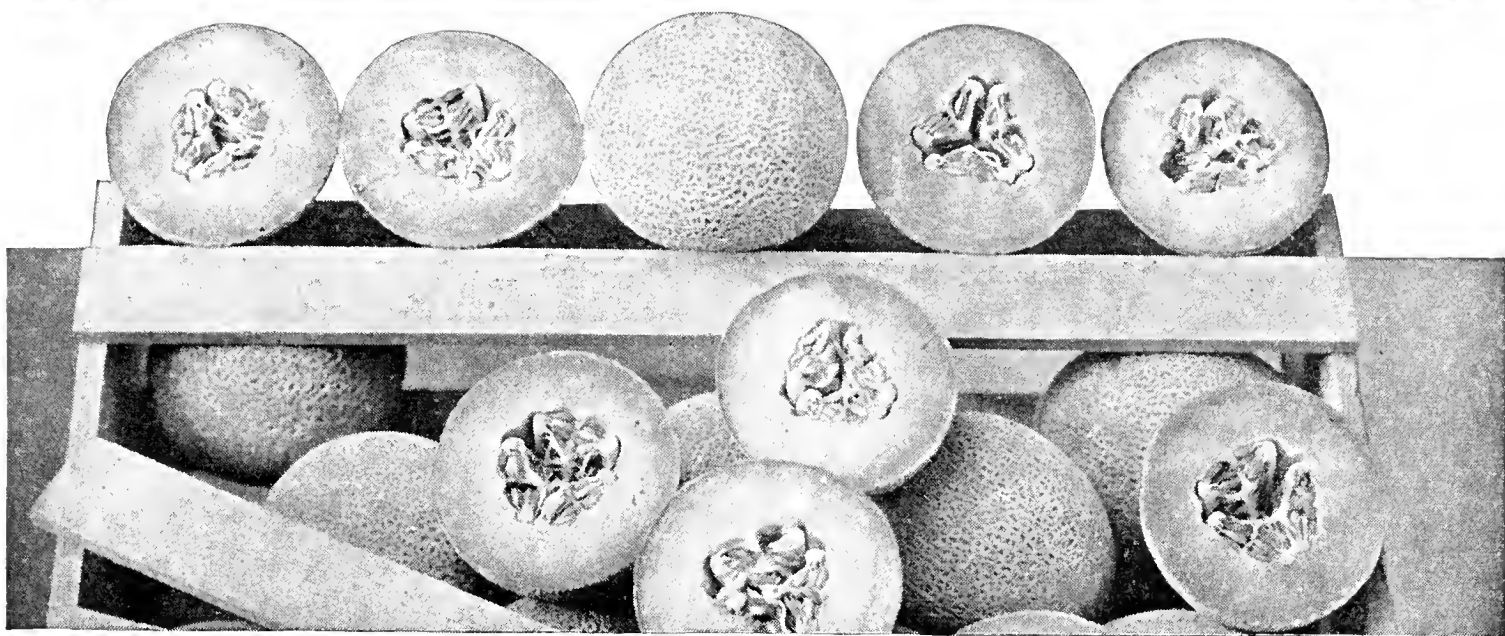
**265—MUSTARD-SPINACH** (25 days)—Also known as Tender-green, Evergreen and Lice Resisting. This splendid "greens" plant is rapidly gaining in popularity throughout the South. It is largely used instead of Spinach in Japan and the Orient because it grows on and stays tender even in dry weather. Is a plant used for "greens" only, about half between Spinach and Mustard, and preferred by many to either. It is becoming popular in markets and is fine for both home garden and market growers. It can be grown most of the year, being quite hardy in winter and standing hot weather as well. Leaves are large, thick, succulent, of deep green color and with small midribs.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 25c; 1 lb., 60c; 5 lbs., \$2.45



Buchanan's Mustard-Spinach





### Buchanan's New Salmon-Fleshed Rocky Ford Cantaloupes

**CULTURE**—Melons thrive best in light, rich soil. Plant just as soon as the ground is warm, in hills 4 to 6 feet apart, according to the variety; in each hill apply a shovelful of well-rotted manure, or a handful of commercial fertilizer, well mixed with the soil. Plant about 12 seeds to each hill, covering with about 1 inch of fine soil firmly pressed down. When the plants are pretty well developed, keep the hoe and cultivator going. Gradually thin out to two plants to the hill. When the vines begin to run freely, stop cultivation, except after a heavy rain. A few hills for early use may be had by sowing in the dirt bands in the hot-bed, and when warm enough, transplant to open grounds. Melon vines are subject to the same destructive insects and fungus foes as are cucumber and squash vines. See pages 76, 78 and 79 for our assortment of insecticides. Use a packet to about 15 hills; 1 ounce to 60 hills; 2 to 3 pounds to the acre.

All Prices on this Page Post Paid. All 10c Pkts. 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

**209—BUCHANAN'S NEW ROCKY FORD (Salmon - Fleshed)** (75 days)—It is more rounded, the rib less prominent and the outer surface of the fruit more densely covered with delicate lace-like netting than the green-fleshed variety. The flesh is salmon (often called pink meat), very small seed cavity (see cut above), beautiful in appearance, and fine flavor. This melon has become a favorite with both my market gardeners and home gardeners. They sell readily at higher prices than the green-fleshed variety.

Pkt., 10c; 1 oz., 20c; 2 ozs., 35c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.10; 5 lbs., \$4.90

**226—HONEY DEW MELON** (100 days)—This new melon is unlike the ordinary muskmelon or cantaloupe, both in appearance and flavor, the outer skin being smooth, hard and nearly white. The melons are large, round to oval in shape, extremely thick-meated and have a very small seed cavity; flesh is light green, very solid and of a rich honey-like flavor, luscious and juicy, much more so than any variety of muskmelons.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.25; 5 lbs., \$4.95

**216—TEXAS CANNONBALL** (94 days)—We have sold this splendid cantaloupe of Texas origin for many years. It is very desirable for home use and nearby markets in all parts of the South. Medium in maturity and size and of round shape. In flavor it is first class, and its dense netting makes it almost sun and insect-proof, this being an immense advantage where insects are troublesome and melons liable to sunscald. It is almost all meat; seed cavity small. Very prolific and hardy.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c;  $\frac{1}{4}$  lb., 35c; 1 lb., 90c; 5 lbs., \$3.90

**212—BUCHANAN'S MAMMOTH ROCKY FORD (Extra Select)** (94 days)—The general type of this melon is similar to the regular Rocky Ford, but they grow somewhat larger in size, making them a splendid variety for market.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c;  $\frac{1}{4}$  lb., 35c; 1 lb., 95c; 5 lbs., \$3.90

**220—"SUPERFECTO"** (92 days)—This variety is recognized as the highest development in cantaloupes and is especially recommended for planting where melons are inclined to rust, as it is more rust resistant than most sorts.

Well grown, practically all these melons pack 12 to the Jumbo flat crate. The netting is well developed and closely laced, covering the entire melon "solid net." The interstices between the netting are small and bright green, changing to orange-green when full ripe. The flesh, a rich orange-salmon, is very deep and the color shows through the rind where the melon touches the ground a day or two before the melon will ship, enabling the careful picker to pick very closely and accurately. (See cut below.)

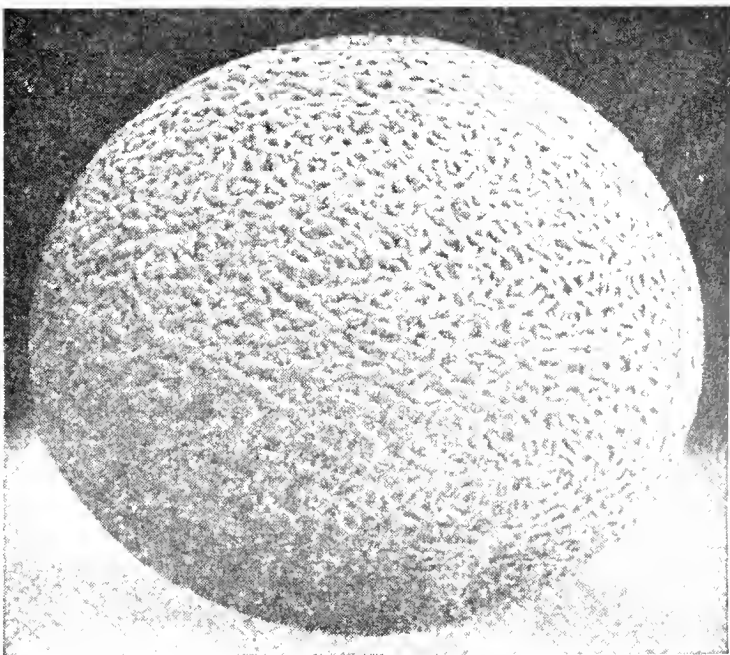
Pkt., 5c; 1 oz., 15c; 2 ozs., 25c;  $\frac{1}{4}$  lb., 40c; 1 lb., 95c; 5 lbs., \$3.90

**210—HONEY ROCK (OR SUGAR ROCK)** (92 days)—A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and matures in 85 days. Oval fruits of medium size, not ribbed. An excellent home garden variety.

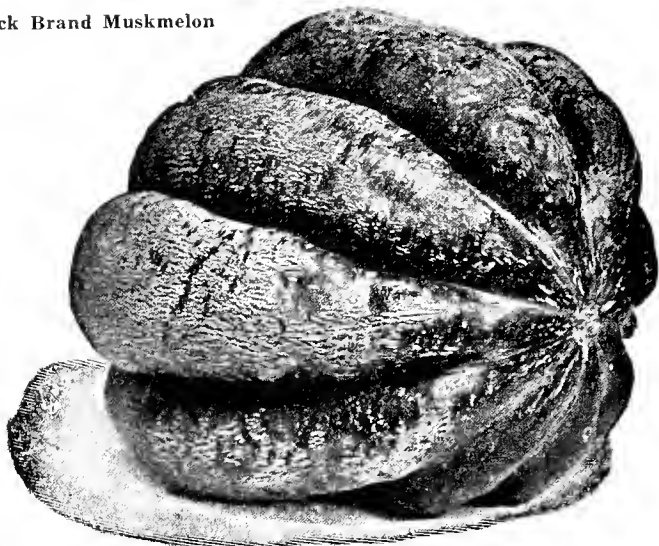
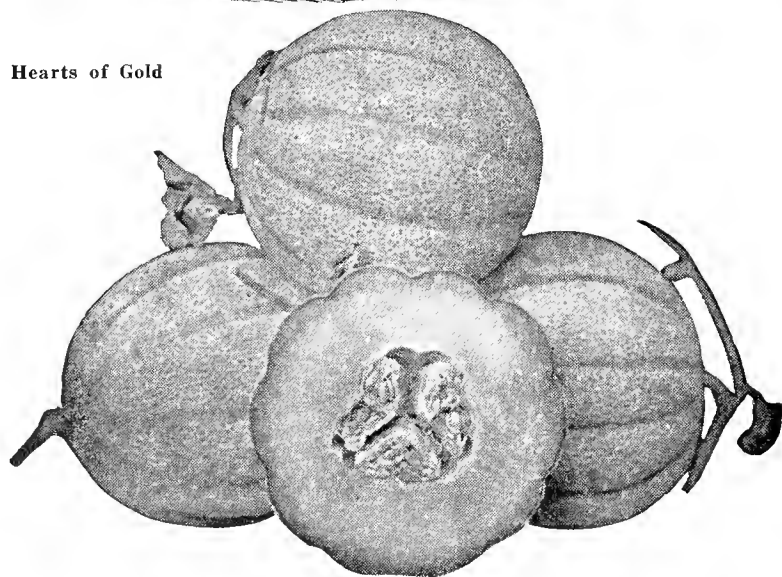
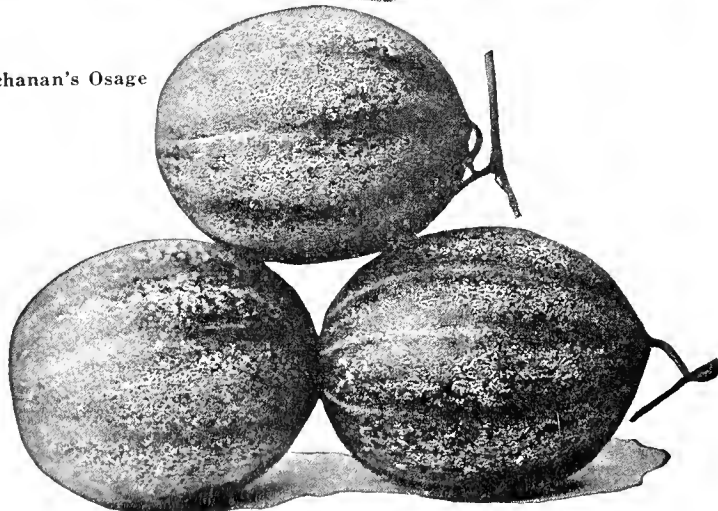
Pkts., 5c; 1 oz., 15c; 2 ozs., 25c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.10; 5 lbs., \$4.25

**211—LAKE CHAMPLAIN** (60 days)—The flesh is a rich golden color, free from stringiness, fine-grained, melting, juicy, sweet, delicious flavor clear to the rind.

Pkt., 5c; 1 oz., 10c; 2 ozs., 20c;  $\frac{1}{4}$  lb., 35c; 1 lb., 80c; 5 lbs., \$3.65



Buchanan's Superfecto

**R. B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****Hale's Best****Buck Brand Muskmelon****Hearts of Gold****Buchanan's Osage**

All Prices on This Page Post Paid. All 5c Pkts., 6 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

**220-A—HALE'S BEST (75 Days)**—Of the thousands of acres of cantaloupes grown in the Imperial Valley of California each year more than 90% are Hale's Best, producing melons of uniform standard size, 90% of which are completely covered with beautiful gray, lace-like netting which, with the small seed cavity, are the most essential points in carrying and keeping qualities of the cantaloupe. The flesh is green, tinged with a delicate salmon-pink around the seed cavity, which is the smallest of any strain in Rocky Ford. The flesh is firm but not tough or stringy, and has a sweet, luscious, melting and superb flavor.

**221—POLLOCK'S 10-25 (Salmon-Fleshed Eden Gem) (75 days)**—A salmon-tinted, rust-resisting cantaloupe that has become popular on the market because of its superior qualities. It is a heavy yielder and one of the best long distance shippers we know of. It is nearly as early as the Eden Gem and very prolific. The melons run very uniform in size. In shape it is a trifle longer than the Eden Gem, practically all run solid net, without any indication of the ribs. The netting is extremely heavy and very light colored when matured. The seed cavity is small.

**222—BUCK BRAND (Surprise) (85 days)**—The nearest thing to the old-fashioned muskmelon that you can get. Fruit round, slightly oblong, with a very thin, nearly smooth, gray-green skin; flesh thick and of deep salmon color. For flavor and size combined this is the king of all melons. Too large to be profitable for market—they often weigh 15 to 20 pounds—they are ideal for home use; one melon is enough for a family. Continues bearing till cold weather and holds its splendid quality up to the very last.

**229—BUCHANAN'S OSAGE (Salmon-Fleshed (95 days)**—An extremely high quality salmon-fleshed melon, a profitable variety to grow for market and a desirable melon for the home garden. An excellent main crop melon, medium to large size, and does well on both heavy and sandy soils. The fruits are slightly oval, dark green, slightly ribbed and partly covered with shallow gray netting. The flesh is rich orange salmon, very thick, fine grained and highly flavored. It is a favorite variety among growers for the later markets. This is the melon shipped into Memphis by the carload from the west and southwest during August and September.

**225—TIP TOP (90 days)**—In shape varies from round to slightly oblong; rather large in size and somewhat late in maturing. Skin pale green, distinctly ribbed and lightly netted; flesh deep rich salmon, sweet and spicy.

**218—HEARTS OF GOLD (Imp. Hoodoo) (95 days)**—A splendid small, mid-season variety developed from the Hoodoo, being larger and more uniform; fruit round with tendency to heart-shape; distinctly ribbed and covered with a fine gray netting; flesh very thick, deep salmon color, and of high quality; a good shipping melon.

**219—ROCKY FORD (92 days)**—We have an especially fine, improved strain of this popular melon as now grown at Rocky Ford. The fruit is small, almost round, smooth, showing no ribs, and densely covered with a heavy gray netting; flesh thick and deep green, showing a faint lining of pink or gold at the center.

**214—BANANA (100 days)**—Shaped somewhat as name indicates; grows about 2½ feet long; flesh deep salmon colored and of only fair quality.

**227—MIXED MUSKMELONS (75 to 90 days)**—Many of our customers have asked us to put out a mixture of Cantaloupes or Muskmelons, so we have included in this mixture seeds that will produce early, medium, late, green-fleshed, orange-fleshed varieties, thus producing a continuous table supply throughout the season from one small plot.

Pkt., 5c; 1 oz., 10c; 2 ozs., 20c; ¼ lb., 35c; 1 lb., 75c; 5 lbs., \$3.00

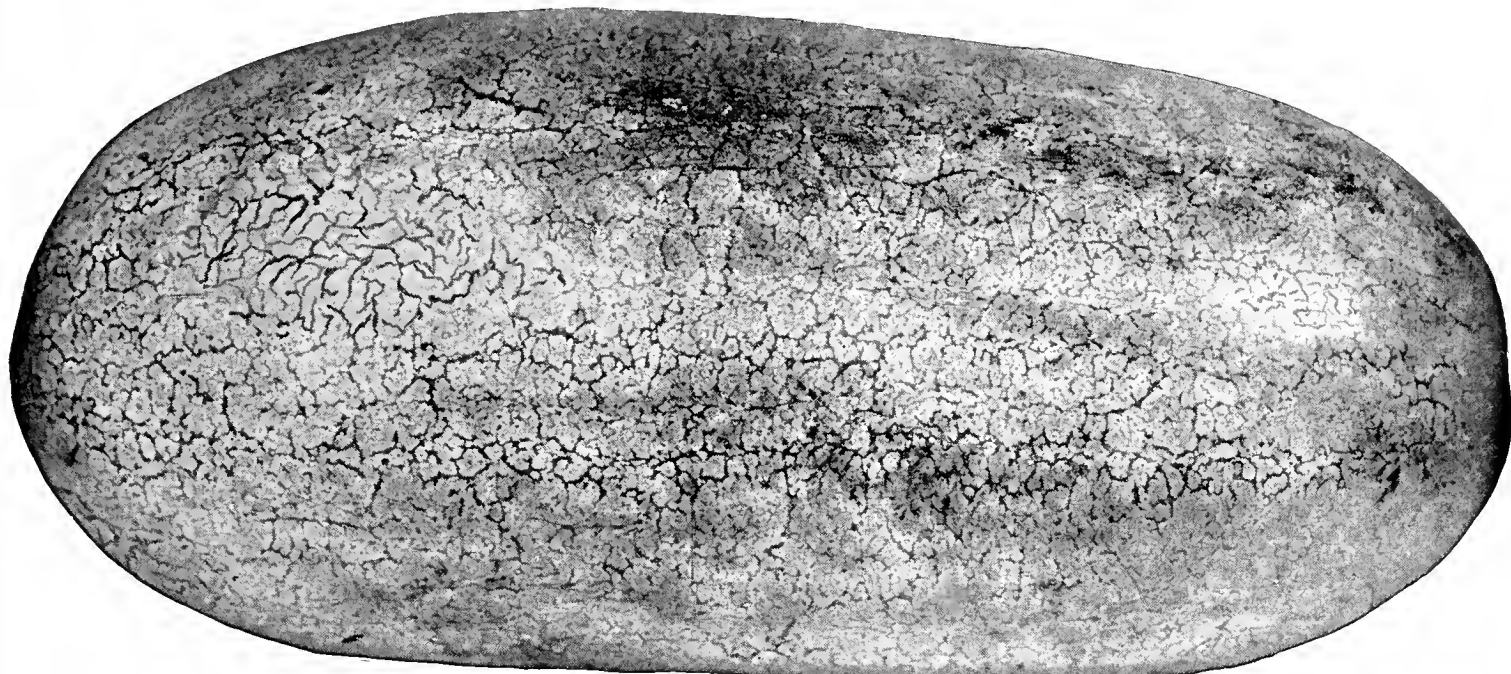


**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

## BUCHANAN'S SOUTHERN GROWN WATERMELON SEEDS

**CULTURE**—One ounce to 40 hills; 3 or 4 pounds to the acre. Drop in hills 6 to 8 feet apart, 6 to 10 seed, 1 inch deep, and thin to 3 best plants. The proper time to plant melons in this section is generally about the middle of April.

**WATERMELON SEED NOTICE**—Melon seeds are extremely difficult to keep pure, and to improve a strain there is a necessity of very careful selection of stock seed plants for many years. You cannot afford to plant ordinary common seeds, usually of run-out strains and indifferent selection, often saved from the tail end of shipping crops. Plant only the best watermelon seeds you can obtain.



BUCHANAN'S IMPROVED WATSON WATERMELON

All Prices on this Page Post Paid. All 10c Pkts. 3 for 25c

Quantity Prices—See Yellow Price List Enclosed

### 240—BUCHANAN'S IMPROVED CUT RED TOM WATSON WATERMELON (90 Days)

The Real Red-Meated Tom Watson, the only kind to plant. Not the white-centered, white-hearted, "run out" seed so generally sold. (From photograph of average seed crop melons—seeds saved only from selected true-to-type melons.)

The Watson has rightfully been the most largely planted melon in the South for shipping purposes. It's a splendid melon for shipping, for nearby markets and home use. It is an excellent combination all-purpose melon for you to grow.

There has been much complaint about the Watson "running out" and this is absolutely true of most of the Tom Watson seed on the market. It is seed saved from the tail end of the shipping crop, seed from malformed, rotten-ended runts and culls, seeds from white-hearted or centered melons. You can't afford to plant such seeds.

In eating quality the Watson is good and its tough, medium thick, elastic rind makes it the finest shipper. Medium early, cylindrical shape, averaging 10 by 20 inches. Its dark green color and generally handsome appearance make it a seller at top of the market prices.

Price—Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 95c; 5 lbs., \$4.35

**255—NEW STONE MOUNTAIN (90 days)**—One of the finest, sweetest, largest and earliest Watermelons. Under favorable conditions, fruits weigh from 60 to 80 pounds, and ripen in 85 to 90 days. The fruit is almost round or square-shaped with rich, dark green, medium thick rind, and dazzling scarlet flesh of luscious sweetness. It has few seeds, is firm and solid, almost all heart, and truly an unsurpassed table delicacy. The rind is sufficiently tough to stand considerable handling, making it an excellent shipper. It is very prolific, withstands drouth, and will produce a fine crop of good melons when other varieties fail. It is the best round-type Watermelon for the home garden or market. Our seed stock has been vastly improved since the variety was introduced and represents the genuine true-to-type Stone Mountain Watermelon.

Pkt., 5c; 1 oz., 10c; 2 oz., 15c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c; 5 lbs., \$3.75

**233—BUCHANAN'S IMPROVED KLECKLEY'S SWEET (87 days)**—Recently introduced, the seed are snow white, with no trace of color and are slightly larger than the regular Kleckley Sweet. The melons are cylindrical, very dark green with faint creases or ridges running lengthwise. The size is somewhat larger than Kleckley Sweet. The edible qualities are splendid and it no doubt has a large future. The rind perhaps is harder than Kleckley Sweet, making it a shipper for moderate distances. Edible in 87 days. Size, 22 x 10 inches.

Pkt., 5c; 1 oz., 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 50c; 1 lb., 85c; 5 lbs., \$3.75



Stone Mountain Melon

Watermelons Produce One of the Earliest Money Crops. See Yellow List for Wholesale Prices



All Prices on This Page Are Post Paid.  
For Quantity Prices—See Yellow List  
Enclosed.

## BUCHANAN'S WATERMELON SEEDS

**252—RIBAULT** (95 days)—Is a new Watermelon, long and thick in shape, measuring from 24 to 30 inches long by 14 to 18 inches in diameter. The rind is dark green, indistinctly striped with mingled lighter green; the young melons will show distinct stripes, but as they develop and ripen the stripes practically fade away, leaving a glossy green color; the rind is medium thick, just thick enough to insure long keeping and rough usage during shipping, and is woven together like leather, and is hard to pull apart or break even after it is fully ripe. The meat is red and sweet, free from hard centers, grows remarkably large, and is very prolific. Ripens in 95 days. Not unusual to grow Ribaults, under normal conditions, weighing 70 to 80 pounds.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 55c; 1 lb., 85c; 5 lbs., \$3.50

**242—BUCHANAN'S GOLDEN HEART** (90 days)—The best of the yellow-fleshed melons, it is oblong in shape; the seeds are white with black tips, and the average weight is 20 pounds. The rind is dark green with irregular stripes of a darker green. It is a standard variety and is one of the best melons for eating. The flesh is a sparkling golden color, very attractive and fully as delicious as its appearance indicates. Edible in 90 days. Size, 14 x 12 inches.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 50c; 1 lb., 75c; 5 lbs., \$3.25

**235—BUCHANAN'S HALBERT HONEY** (85 days)—As fine a medium early home market melon as we grow, the Halbert Honey enjoys wide use and is second only to Kleckley's Sweet in popularity for home gardens and nearby markets. The seed are white with black tips; the shape is long and cylindrical, and the rind is a deep green with fine veins. The melons weigh 35 pounds. Quite similar to Kleckley's Sweet, the Halbert Honey is as handsome a melon as could be desired. Edible in 87 days. Size, 20 x 12 inches.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 50c; 1 lb., 75c; 5 lbs., \$3.25

**239—BUCHANAN'S IRISH GRAY** (90 days)—A long melon, rather large in size and is becoming more popular as a shipping kind. The rind is light green in color; the seed are white, and its eating qualities very fine. The average weight is 35 pounds, and it is a light seeding variety. We especially recommend the Irish Gray for shipping, as the flesh is not stringy or coarse, and its ability to stand shipping is fully equal to the Watson. Edible in 90 days. Size, 18 x 11 inches.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 50c; 1 lb., 75c; 5 lbs., \$3.25

**253—BUCHANAN'S KLECKLEY'S SWEET** (87 days)—The skin is a dark green, the flesh is bright red, very tender and melting. It is medium early in maturity; the seed are white and it is not adapted for shipping long distances. Edible in 87 days. Size, 20 x 10 inches.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; 1 lb., 70c; 5 lbs., \$3.10

**231—BUCHANAN'S BLACK DIAMOND** (90 days)—A large, almost round melon, with very dark green rind. It is medium late; the seed are black, and it is not widely used. The average weight is perhaps 20 pounds. The outside appearance is very attractive. Edible in 90 days. Size, 12 x 10 inches.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 50c; 1 lb., 75c; 5 lbs., \$3.25

**236—BUCHANAN'S COLE'S EARLY** (80 days) — It is almost round, with black seed, while the rind is dark green, irregularly striped with a lighter shade. The flesh is very firm and delicious eating; it is not adapted for shipping, being a home market kind. The Cole's Early is a standard melon and will mature very early, so it is more widely used in sections with a shorter growing season than others. The melons weigh about 20 pounds. Edible in 80 days. Size, 12 x 11 inches.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 50c; 1 lb., 75c; 5 lbs., \$3.25

**230—BUCHANAN'S ALABAMA SWEET** (90 days)—The melons are long with a deep green rind, irregularly striped with a darker shade of green. The seeds are white with some slightly mottled and with dark tips. It is an excellent shipping variety with a very tough, elastic rind. Average weight of the melons is about 30 pounds. A widely used, very desirable kind. Edible in 90 days. Size, 16 x 10 inches.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; 1 lb., 70c; 5 lbs., \$3.10



Ribault



Buchanan's Halbert Honey



Buchanan's Kleckley's Sweet



**BUCHANAN'S WATERMELON SEEDS**

**254—WONDERMELON** (85 days)—Is comparatively a new variety, but has become one of the new favorites. No watermelon has received more praise in the short time of its existence, and justly so, for it is one of the finest flavored melons raised. It is also very productive, grows great quantities of big, fine, dark glossy green melons. The rind is rather thin, but reasonably tough to insure good carrying for short hauls, and any market that receives this melon will sell to good advantage. Grows long and thick, seeds white and broad, flesh deep red, juicy and sweet. Time for ripening, 85 days. Six melons produce a pound of seed.

Pkt., 5c; 1 oz., 15c; 2 oz., 25c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 50c; 1 lb., 90c; 5 lbs., \$4.15

**241—BUCHANAN'S PERFECTION** (87 days)—A new variety, or comparatively so, of unusual merit. The seed are white with a dark rim and edge. The rind is very hard and an intense dark green, the shape is long, the fruits being thicker at the stem than at the blossom end—in other words, the fruit tapers toward the blossom end. It is certainly handsome in appearance, both the exterior and when cut. Edible in 87 days. Size, 22 x 10 inches. Weight, 35 pounds.

Pkt., 5c; 1 oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 50c; 1 lb., 85c; 5 lbs., \$3.50

**234—BUCHANAN'S SWEETHEART** (88 days)—A rather late variety, producing extremely large melons of excellent quality. The shape is oblong; the rind is very light green with fine veining. It has a very tough elastic rind, making it an excellent shipping kind. The seed are black, and the fruits weigh 25 lbs. Edible in 88 days. Size 13 x 10 inches.

Pkt., 5c; 1 oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; 1 lb., 70c; 5 lbs., \$3.00

**247—BUCHANAN'S THURMOND GRAY** (90 days)—Similar to Irish Gray, except the fruit are larger and the seed brown. It is doubtful if it has any advantage over the Irish Gray. But the quality of both is excellent, the flesh being crisp and tender while the rind is almost like horn in hardness. Edible in 90 days. Size, 20 x 10 inches.

Pkt., 5c; 1 oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; 1 lb., 70c; 5 lbs., \$3.00

**238—BUCHANAN'S TOM WATSON** (92 days)—The most popular of the shipping melons, the Watson has a very tough, elastic rind; the seed are brown with a sprinkling of white. The rind is deep green, indistinctly veined; the shape is long and cylindrical and the melons often attain a weight of 40 pounds. The length averages 18 to 24 inches by 10 inches in diameter. The outside appearance is similar to Kleckley's Sweet; the Watson is rather late in maturing. It is not recommended for garden use, as the flesh is a little coarse and very firm. Edible in 92 days. Size 20 x 12 inches.

Pkt., 5c; 1 oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 35c; 1 lb., 60c; 5 lbs., \$2.75

**232—BUCHANAN'S FLORIDA FAVORITE** (87 days)—The seed are white, the rind is a light green with mottled stripes of dark green. The shape is long, and the melons average 30 pounds in weight. It is not adapted for long distance shipping, but it is excellent for the home market trade. The edible qualities are excellent and this kind is quite popular. Edible in 87 days. Size, 16 x 10 inches.

Pkt., 5c; 1 oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; 1 lb., 70c; 5 lbs., \$3.00

**237—BUCHANAN'S GEORGIA RATTLESNAKE** (92 days)—A long, fairly large melon with a light green color, irregularly mottled with dark green stripes. An excellent shipping kind with unexcelled eating qualities, the Rattlesnake is a standard variety. The seed are white with dark tips, and the weight is 30 pounds. Its appearance is so striking because of the contrast between the light and dark mottlings that it is always remembered; perhaps this has helped its popularity. Edible in 92 days. Size, 18 x 12 inches.

Pkt., 5c; 1 oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; 1 lb., 70c; 5 lbs., \$3.00

**255A—CUBAN QUEEN OR DIXIE QUEEN**—It is an enormous yielder, oval in shape, skin striped light and dark green; flesh bright red, solid. One of the best shippers.

NOTE—There are two types of seed—one very small white, the other large white with black tips or rings. Both types produce melons alike in all other respects. One pound of the small-seed type will plant as far as two pounds of the large type. We handle only the small seed—which are scarce.

Pkt., 10c; 1 oz., 15c; 2 oz., 25c;  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 85c; 1 lb., \$1.60; 5 lbs., \$7.50

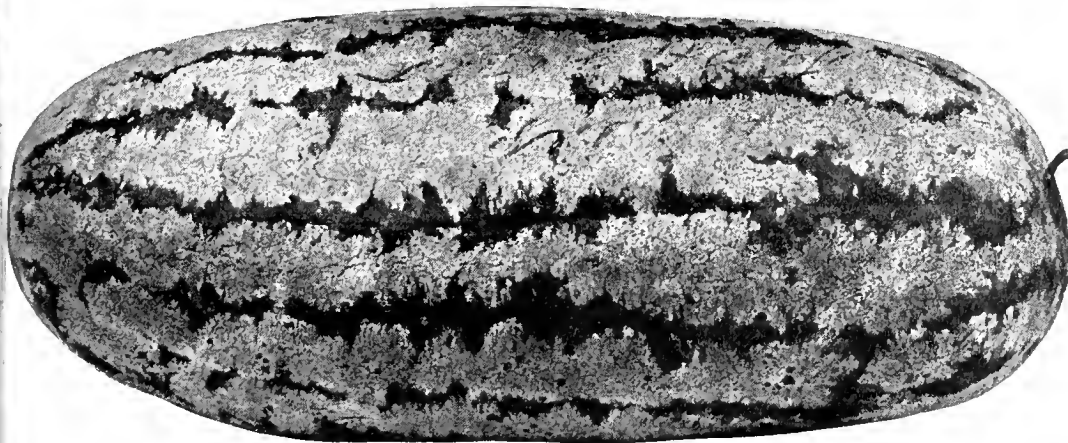
All Prices on This Page Are Post Paid.  
All 5c Pkts., 6 for 25c.  
Quantity Prices—Yellow Sheet Enclosed.



Buchanan's Perfection



Wondermelon



Buchanan's Georgia Rattlesnake



California Wonder

**300—CALIFORNIA WONDER PEPPER** (120 days)—Almost as large as Chinese Giant, short, blocky and square ended, splendid for stuffing, baking or served whole with salad filling.

Pkt., 5c; ½ oz., 20c; 1 oz., 35c; 2 ozs., 65c; ¼ lb., 95c; 1 lb., \$3.25

**301—ROYAL KING** (Sweet) (120 days)—In this variety you have the utmost that can be obtained in the way of a Bell type pepper. It grows to a large size, is very mild, and when ripe is of a bright scarlet color. The flesh is thick, meaty and fine flavored. Plants grow 2 to 2½ feet high. It is especially desirable for shipping, due to its regularity of size and shape. Pkt., 5c; ½ oz., 15c; 1 oz., 30c; 2 ozs., 50c; ¼ lb., 70c; 1 lb., \$1.95

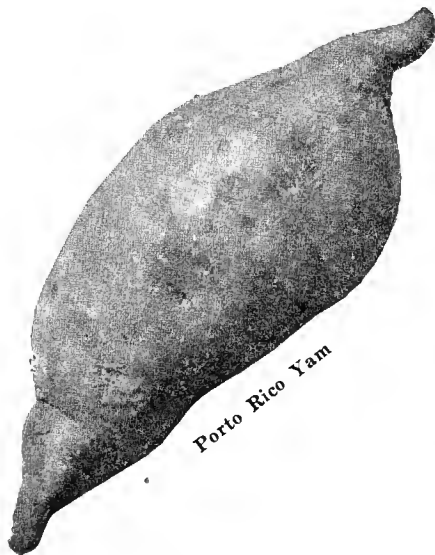
**303—CHINESE GIANT** (Sweet) (110 days)—Is one of the largest and finest peppers in cultivation. The plant is about two feet high, of strong, vigorous growth, stocky and erect in habit, very productive. The compact plants are very prolific, setting 3 to 4 extra fruits at the base quite early.

Pkt., 5c; ½ oz., 25c; 1 oz., 40c; 2 ozs., 60c; ¼ lb., \$1.00; 1 lb., \$3.75

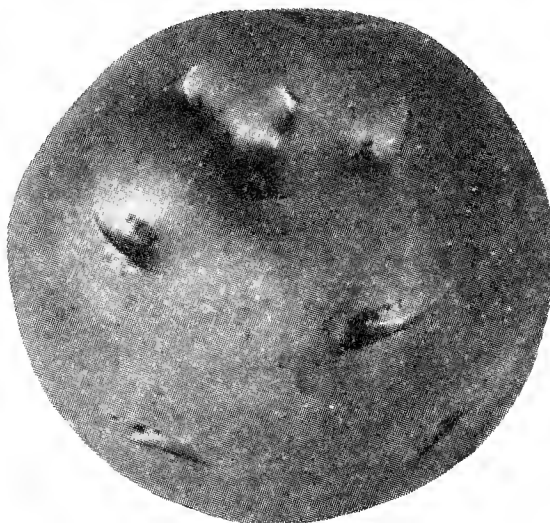
**307—HARRIS EARLY GIANT** (Sweet) (85 days)—An early maturing large size sweet pepper, similar in shape to Chinese Giant, but much longer, and flesh thicker. It is three lobe, mild and very prolific; earlier than the Chinese Giant.

Pkt., 5c; ½ oz., 15c; 1 oz., 30c; 2 ozs., 50c; ¼ lb., 70c; 1 lb., \$1.95

## CERTIFIED SEED POTATOES



Porto Rico Yam



Red Triumph



Nancy Hall

We sell only State Certified Irish and Sweet Potatoes.

We handle two varieties of Certified Irish Potatoes—the Red Triumph and Irish Cobbler. They are packed in 2½ bushel (150 pounds) burlap sacks.

## SWEET AND HOT PEPPERS

**CULTURE**—One ounce will produce about 1,000 plants. For early plants, sow in hotbeds the latter part of January, and transplant to open after all danger of frost is over, in rows 3 feet apart, 15 to 18 inches apart in the rows.

All Prices on This Page Post Paid. All 5c Pkts., 6 for 25c  
Quantity Prices—See Yellow Price List Enclosed

**302—BELL OR BULL NOSE** (Sweet) (120 days)—Do not confuse this with the Chinese Giant. It is similar in shape but scarcely more than half as large. It is much more prolific and a very desirable variety for the home garden.

Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 40c; ¼ lb., 60c; 1 lb., \$1.85  
**305—RUBY KING** (Sweet) (110 days)—Fruits frequently run 4½ inches in length, having usually three lobes. A deep rich green color when young, ripening to a bright rich crimson at maturity.

Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 45c; ¼ lb., 60c; 1 lb., \$2.00  
**304—LONG RED CAYENNE** (125 days)—A well-known hot pepper; larger than Red Chili but just as hot and pungent. It is medium early sort having a slender, twisted and pointed pod about four inches long. A bright red color when ripe.

Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 45c; ¼ lb., 75c; 1 lb., \$2.15  
**312—PIMENTO** (Sweet) (110 days)—The mildest flavored of all peppers. A very productive sort, being an entirely different type than the other well-known peppers. Its thickness of flesh permits removing of skin, an essential of great value not easily accomplished with other sorts.

Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 45c; ¼ lb., 65c; 1 lb., \$1.90  
**308—RED CHILI PEPPER** (82 days)—A very hot, pungent, bright red pepper used for flavoring. Dwarf growing, with slender, pointed fruits about one inch long.

Pkt., 5c; ½ oz., 25c; 1 oz., 40c; 2 ozs., 65c; ¼ lb., 90c; 1 lb., \$2.75

**306—TABASCO** (Hot) (115 days)—Very pungent and strong. Pkt., 5c; ½ oz., 25c; 1 oz., 45c; 2 ozs., 80c; ¼ lb., \$1.25; 1 lb., \$3.50

**309—MIXED RED HOT** (93 days)—A mixture of all varieties of Hot Pepper.

Pkt., 5c; ½ oz., 20c; 1 oz., 35c; 2 ozs., 50c; ¼ lb., 90c  
**310—MIXED SWEET MANGOES** (120 days)—Mixed varieties of Sweet Peppers.

Pkt., 5c; ½ oz., 20c; 1 oz., 35c; 2 ozs., 50c; ¼ lb., 90c

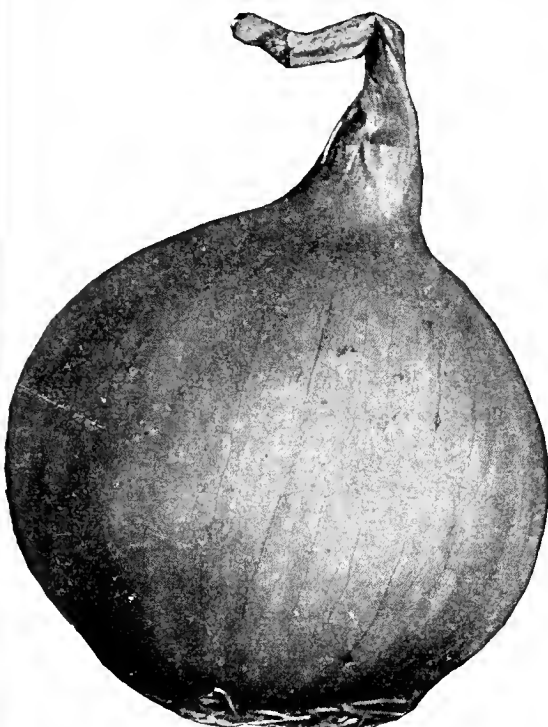
## 15 PACKETS GARDEN SEED VALUE, 75c

One each—Radish, Cucumber, Okra, Squash, Muskmelon, Icicle Radish, Mustard, Tomato, Collards, Watermelon, Turnip, Early Cabbage, Lettuce, Late Cabbage, Beets. Fifteen regular 5c packets. Post paid.....35c





All Prices on This Page Post Paid  
All 10c Pkts., 3 for 25c  
Quantity Prices—See Yellow Price List Enclosed



Mammoth Yellow Prizetaker Onion

## ONION SETS

Prices Post Paid	1 Qt.	4 Qts.	Pk.
267—White Silverskin	\$.35	\$.85	\$1.50
268—Red Weathersfield	Crop failure		
266—Yellow Danvers	.35	.75	1.40
272—Winter Top Shallot	.25	.75	1.40
270—White Multiplier	.40	1.40	2.75
White Shallot	.25	.70	1.25

## ONION SEED

**CULTURE**—Sow in rich, sandy soil, in drills 1 foot apart, as soon as the ground can be worked in spring—at the rate of 4 to 5 pounds to the acre. Thin to 3 or 4 inches, using the rake and hoe frequently to keep down the weeds.

**256—LARGE WHITE PORTUGAL**—The standard large flat sort. Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 40c; ¼ lb., 65c; 1 lb., \$1.95.

**257—LARGE WHITE GLOBE (Southport Strain)**—One of the best. Pkt., 5c; ½ oz., 20c; 1 oz., 30c; 2 ozs., 45c; ¼ lb., 70c; 1 lb., \$2.25.

**258—YELLOW GLOBE DANVERS**—A well known standard variety. Pkt., 5c; ½ oz., 20c; 1 oz., 30c; 2 ozs., 45c; ¼ lb., 70c; 1 lb., \$2.25.

**259—IMPROVED RED BERMUDA**—A large quick-growing red variety. Pkt., 5c; ½ oz., 20c; 1 oz., 30c; 2 ozs., 45c; ¼ lb., 70c; 1 lb., \$2.25.

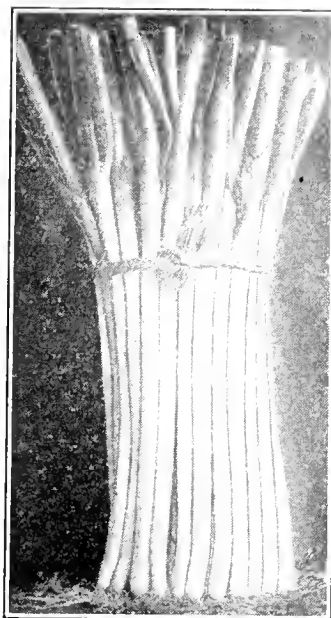
**260—LARGE RED WEATHERSFIELD**—It is of a beautiful form, skin deep purplish-red; flesh purplish-white and of a very fine grain. Pkt., 5c; ½ oz., 15c; 1 oz., 20c; 2 ozs., 35c; ¼ lb., 60c; 1 lb., \$1.75.

**261—LARGE RED GLOBE**—The finest large red sort. Pkt., 5c; ½ oz., 20c; 1 oz., 30c; 2 ozs., 45c; ¼ lb., 70c; 1 lb., \$2.25.

**263—PRIZETAKER**—A very handsome late or main crop onion of the largest size. Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 40c; ¼ lb., 65c; 1 lb., \$1.90.

**262—WHITE BERMUDA WAX**—The most attractive onion in the world. It is an absolutely pure white Bermuda Onion with a most beautiful waxy appearance that makes it sell on sight in the retail market. Pkt., 5c; ½ oz., 20c; 1 oz., 30c; 2 ozs., 45c; ¼ lb., 70c; 1 lb., \$2.25.

**278—YELLOW BERMUDA**—The variety that has made Texas a successful onion-producing state. Bulbs are a light straw-yellow color, medium sized, flat. Flesh is extremely mild and sweet. Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 40c; ¼ lb., 65c; 1 lb., \$1.90.

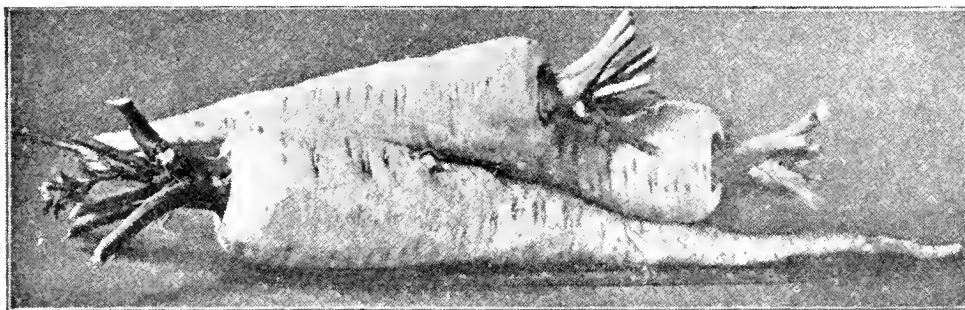


Bunching Onion

**264—BUCHANAN'S LONG WHITE BUNCHING ONION**

Very hardy, mild and tender; a product of the Orient, the most satisfactory onion for bunching for local markets or shipping. (See cut.)

Pkt., 5c; ½ oz., 15c; 1 oz., 20c; 2 ozs., 35c; ¼ lb., 60c; 1 lb., \$1.75.



Hollow Crown Parsnip

## PARSNIPS

**CULTURE**—Sow early in rows 1½ to 2 feet apart; cover with ½ inch of soil. When well up, thin to 6 inches apart. Seed germinates slowly. Keep ground moist. One ounce will sow 100 feet of row; 3 to 5 pounds, an acre.

**280—SUGAR OR HOLLOW CROWN**—The best for table use; a vegetable of merit, easily raised and of great productiveness.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 60c

## PARSLEY

**CULTURE**—As the seed is slow to germinate, soak in water a few hours before planting. Sow in rows 12 inches apart, covering not more than ½ inch with fine soil firmly pressed down. When well up, thin to 4 to 6 inches apart in the rows. One ounce will sow 150 feet of row; 5 to 6 pounds, an acre.

**274—CHAMPION MOSS CURLED**—A choice selected strain with beautiful crimped and curled bright green leaves.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 75c

## OKRA OR GUMBO

**CULTURE**—Plant thinly in rows 2½ feet apart, and cover seed about 1 inch deep. When established, thin plants to 12 to 15 inches apart, and cultivate thoroughly. Should be gathered every other day, otherwise the pods become too hard and the young plants discontinue bearing. One ounce will sow 50 feet of row.

**249—WHITE VELVET**—Bears round, white, smooth pods. The market gardeners' favorite.

**250—EARLY DWARF GREEN**—Of dwarf growth, but immensely productive.

**248—TALL OR LONG GREEN**—Pods long, slender, dark green, and ridged; very tender.

**251—PERKINS' MAMMOTH LONG POD**—This variety is about 3 feet high, very early and productive.

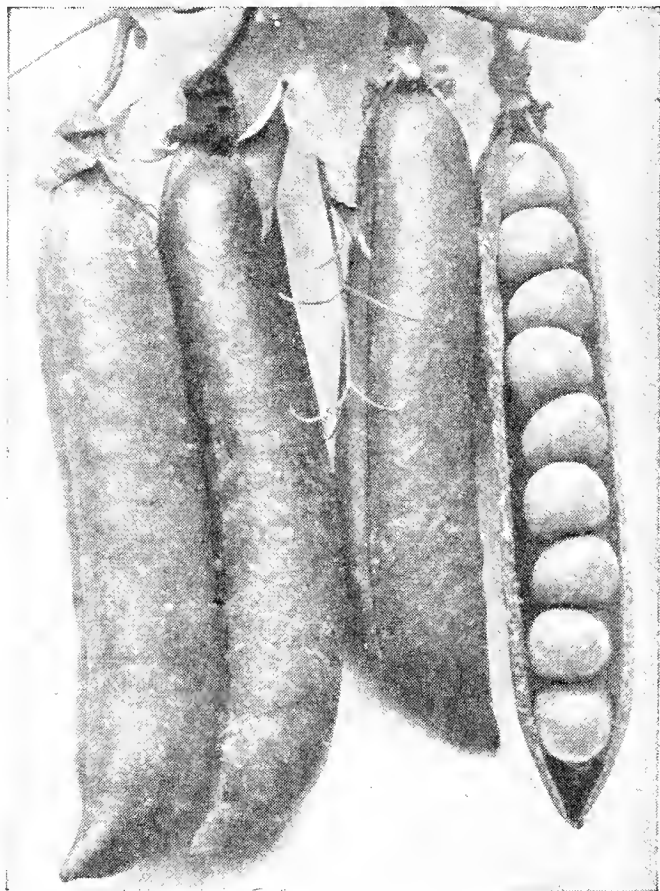
All Okra: Pkt., 5c; 1 oz., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 50c; 5 lbs., \$1.75.



White Velvet Okra

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

All Prices on This Page Post Paid. All 10c Pkts., 3 for 25c  
Quantity Prices—See Yellow Price List Enclosed



Peas, Alaska

### SECOND EARLY

**295—THOMAS LAXTON**—A popular, medium early variety, for home and market garden, and also for shippers and canners. Vine medium green and medium heavy. Pods single, medium green, plump, broad, blunt; contain 7 to 8 large, tender peas of good quality. Seeds medium size, cream and green, wrinkled. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.

**286—FIRST AND BEST**—Extra early; one of the earliest varieties, with smooth, white peas. Vines are about 18 to 24 inches high; pods short and well filled; quality the best. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., 95c.

**287—AMERICAN WONDER**\*—The earliest of the dwarf, wrinkled sorts. The vines are 9 to 12 inches high and produce a good crop of well-filled pods, nearly 3 inches long, containing 5 to 7 large peas. Very sweet and tender. The seed is pale green, flattened and wrinkled. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.

**291—GRADUS OR PROSPERITY**\*—This pea is an extremely early large-podded, wrinkled variety, which matures only a few days later than the little round-seeded, small-podded varieties. The vines are nearly 4 feet high, and the pods are very large. The peas are large and light green in color. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.

**288—AMEER OR LARGE ALASKA**—The vine is 3 feet high, more vigorous and of the same color as the Alaska. Pods are one-third larger and filled with 5 to 7 large round peas of fine flavor. The crop

ripens about a week later than the Alaska. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 95c.

### MAIN CROP

**289—ALDERMAN**\*—It is of the finest large-podded summer varieties. The vine grows 5 feet in height, and is of a dark green coloring, as are also the large pods. Pods frequently measure 6 inches in length and contain from 8 to 9 large peas of superior flavor. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.

**292—CHAMPION OF ENGLAND**\*—A very productive standard main crop variety, one of the best flavored of the late peas. The vines are 4 to 5 feet high, and the foliage is medium green. The pods are medium dark green, broad and nearly straight, and about 3 inches long. We have a fine stock of these peas. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.

**293—TELEPHONE**\*—A standard variety, grows tall and large; peas are wrinkled and of fine quality. Vines and foliage are strong and heavy, medium green. One of the best main crop varieties. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.20.

**294—LARGE WHITE MARROWFAT**—This variety is very tall, about 5 feet, and of strong growth. The pods are about 3 inches long, round, light green and somewhat rough. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.20.

**298—BLISS EVERBEARING**\*—The vines are stout, of medium height, about 2½ to 3 feet, bearing at the top 6 to 10 good-sized pods, about 2½ to 3 inches long. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.

## BUCHANAN'S GARDEN PEAS

**CULTURE**—The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later. Sow peas in drills about 2 to 3 inches deep, in rows 2½ to 3½ feet apart. One quart will sow 100 feet of drill. All wrinkled varieties are marked (\*). These should not be planted until March.

### DWARF VARIETIES

**284—ALASKA**—This is the earliest of all small-podded peas. Universally used for first planting; the vines are a distinctive light green, and from 2 to 3 feet high. Pods are dark green, about 2½ inches long, straight and well filled with small, smooth, blue-green peas of excellent flavor. This pea is a heavy yielder and a favorite among market gardeners.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 95c.

**283—LAXTONIAN**\*—This is the largest podded of all the early varieties. The dark green pods are similar to Gradus in shape and splendid quality, are as large in size and often mature a little earlier. Vines are vigorous and productive, averaging 15 to 18 inches high.

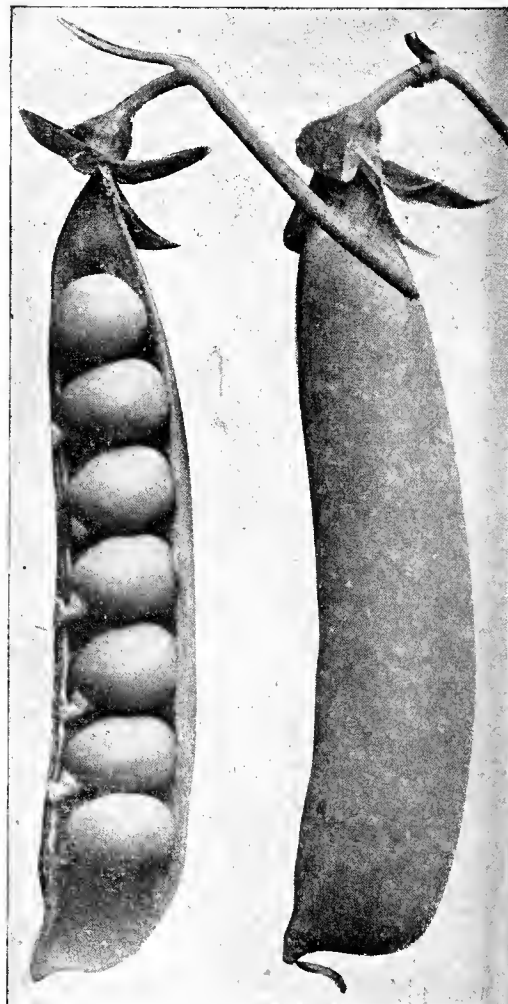
Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.20.

**285—PREMIUM GEM**\* (Improved Little Gem)—A very desirable early green, wrinkled, dwarf variety. The vine is very productive and grows to a height of from 15 to 18 inches.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20.

**297—LAXTON'S PROGRESS**—The earliest of the large-podded dwarf varieties. The pods are slightly larger than those of Laxtonian or Hundredfold and much darker green in color. They are very uniform in size, growth and time of maturity. The vines are 15 to 18 inches in height and very productive. Ready for market or table in 55 days. Highly recommended for commercial growers and shippers in the South.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.



Champion of England

English Peas—the Earliest Money Crop Known for Southern Truck Gardeners

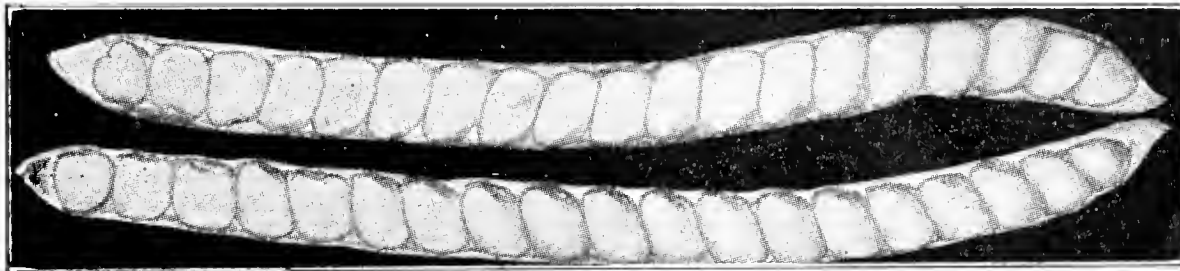


## BUCHANAN'S COWPEAS — TABLE PEAS — SHELL BEANS

The prices on Cowpeas, Field Beans and Edible Cowpeas are constantly changing, and it is impossible to quote prices on quantities when this catalogue is printed, but in season we will quote prices promptly upon receipt of your inquiry asking for same.

PEAS—For field planting it requires 1 to 2 gallons drilled to the acre; broadcast, 1 to 2 bushels per acre—60 pounds to bushel.

Prices  
on  
Peas  
Post Paid  
Through  
Third  
Zone



BUCHANAN'S CREAM OR SUGAR CROWDER PEAS

1934  
Crop  
of  
Peas  
Very  
Short

Prices on This Page Post Paid Through Third Zone. All 10c Pkts., 3 for 25c  
Quantity Prices—See Yellow Price List Enclosed

## TABLE PEAS

**1241—CREAM CROWDER**—A strictly Southern-grown table pea, has been known to a few many years, growing in popularity very rapidly, both for gardens and for planting on a large scale with corn. It is white or cream in color, very sweet, and gets the name Crowder from the fact that they fit the hull very closely. (See cut.) This is a bunch pea and very prolific on any fertilized garden, and should be planted as you would any other bunch garden pea. They thrive on clay or sandy loam land and respond readily to corn fertilizer. Planted with corn, one row of corn and one row of peas (one peck to acre), you will get usual amount of corn and from 10 to 20 bushels of peas to the acre, depending on the fertility of the land. They sell well on any Southern market, both as a green shelled pea and as a dry shelled pea for winter use. My stock is carefully machine cleaned and hand picked for seed purposes.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; gal., \$1.00; pk., \$1.90

**1242—RICE, OR CREAM**—A favorite Southern variety. One of the earliest to mature, and yields enormously of shelled peas, which are valuable for use as dried peas during the winter. They are superior in flavor to Blackeye Peas, and somewhat similar in appearance to the Gallavant, or Lady Pea, but are larger in size. Both these and the Gallavant Peas are very popular wherever grown, and they are usually readily salable at higher prices than Blackeye Peas.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; gal., \$1.00; pk., \$1.90

**1243—EXTRA EARLY BLACKEYE**—These are ten days to two weeks earlier than the Large Blackeye, and a most valuable variety. They do not run as much as the Large Blackeye Pea, but grow more in bush shape and hold the peas up well off the ground, and the pods are very thick-set on the vine.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; gal., \$1.00; pk., \$1.90

**1246—GALLAVANT, OR LADY**—This is an old-fashioned pea, which is very popular in sections where it is known. The peas are small in size, of very fine flavor; superior in table qualities to the Blackeye Pea. It is very prolific, and a desirable variety to grow. It is known in some sections as "The Lady Pea."

Pkt., 10c; ½ lb., 15c; 1 lb., 20c; 2 lbs., 35c; gal., \$1.00; pk., \$1.85

**1245—LARGE BLACKEYE**—The Large Blackeye Peas are more prolific, better flavored, and bring a higher price than the ordinary Blackeye, and farmers will find it more profitable to plant these than the ordinary Blackeye; they make a more profitable crop to grow for picking the dry peas for sale in our markets during the winter.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; gal., \$1.00; pk., \$1.90

**1244—WHITE BROWN-EYED (Purple Hull)**—A very desirable table pea and very much like our old-fashioned white black-eyed peas.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; gal., \$1.00; pk., \$1.90

## WE BUY TABLE AND STOCK PEAS

Every year hundreds of customers bring peas in small lots to our store, 18 South Front Street, to sell. We always pay top price when in the market.

## SHELL AND SOUP BEANS

These are grown to use as dried beans during the winter. Plant in May and June, using 15 to 20 pounds to the acre. Plant in 4-foot rows and cultivate well. One pound drills 150 to 200 feet of row.

**62—GREAT NORTHERN BEANS**—Well suited to heavy soils. Beans slightly larger than the Navy Bean; snow white and of splendid cooking quality.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; gal., \$1.00; pk., \$1.90

**63—RED KIDNEY BEANS**—The good old-fashioned cooking bean. Large size and of good flavor.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; gal., \$1.00; pk., \$1.90

**61—PEA BEAN, OR WHITE NAVY**—An improvement over the popular small white baking beans. One of the grandest beans for farm crops.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; gal., \$1.00; pk., \$1.90

## FIELD PEAS

**1235—WHIPPOORWILL**—A favorite early, upright-growing variety, more largely used and sold than any other kind. Has brown speckled seed, which are easily gathered. Makes a good growth of vines, which can be easily cut and cured as dry forage. We recommend this where an early variety of good growth and height is desired.

Pkt., 5c; ½ lb., 15c; 1 lb., 20c; 2 lbs., 35c; gal., 60c; pk., \$1.00

**1238—NEW ERA**—An early maturing variety which has proved very popular and satisfactory. Upright growing, quick to mature, and is remarkably prolific of peas. Rather small vine, which cures easily, making splendid dry forage. The seed are smaller in size than the ordinary Cowpeas, so that it does not require as many to seed an acre—from ¾ to 1 bushel per acre will give ample seeding.

Pkt., 5c; ½ lb., 15c; 1 lb., 20c; 2 lbs., 35c; gal., 60c; pk., \$1.00

**1239—BLACK**—This is the standard variety, and the one most largely grown in this immediate section. It is very prolific, makes a fine growth, both of vine and leaves, and a good yield of peas. It is a splendid land-improver, and most valuable as a forage crop, and makes an enormous yield of rich, nutritious feed.

Pkt., 5c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; gal., 60c; pk., \$1.00

**1236—THE CLAY**—It is the most popular pea in the South. The plants are vigorous usually seeding sparingly. Tall, erect, large green leaves. Pods are large and yellowish; seeds kidney shaped, medium size, cream color; medium to late.

Pkt., 5c; ½ lb., 15c; 1 lb., 20c; 2 lbs., 35c; gal., 60c; pk., \$1.00

**1240—RED RIPPER**—Red-seeded; a most desirable and productive variety. Makes long running vines and a fair yield of peas. One of the medium late varieties. Very popular in sections where it is known.

Pkt., 5c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; gal., 60c; pk., \$1.00

**1237—MIXED COWPEAS**—The principal varieties in the Mixed Cowpeas we offer are the Clay, Black, Wonderful, Whippoorwill and other Southern varieties. A great many Southern farmers prefer to sow Cowpeas in mixture, as they grow thicker, producing a better crop of vines and forage than sowing single varieties alone. When the crop is desired for soil-improving it is really an advantage to sow these mixed peas.

Pkt., 5c; ½ lb., 10c; 1 lb., 15c; 2 lbs., 25c; gal., 60c; pk., \$1.00





## PUMPKIN SEED

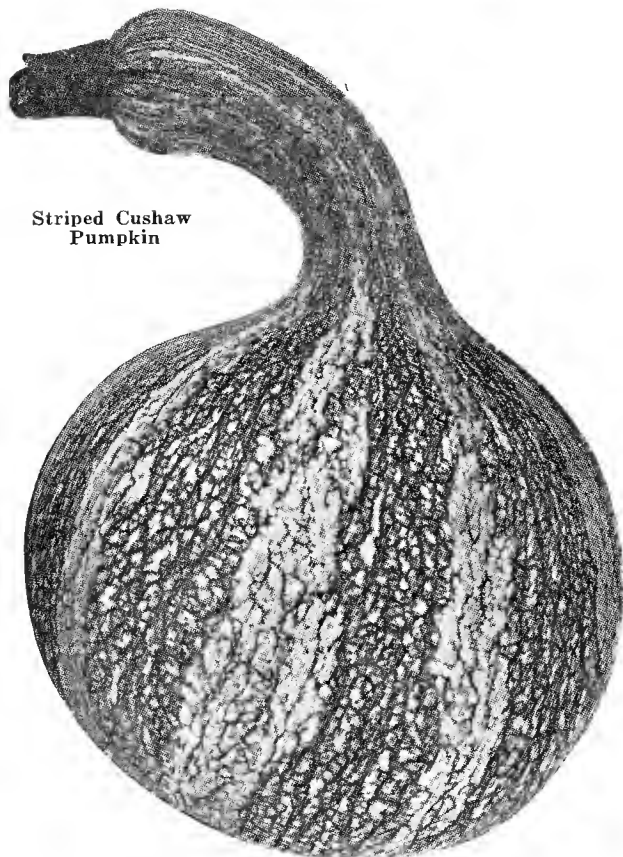
**CULTURE**—One pound will plant 40 to 50 hills; 5 pounds will plant 1 acre. Plant in hills 8 to 10 feet apart each way; 4 seed to the hill. For a good crop the soil should be rich. Cultivate same as cucumbers or melons. Pumpkins should not be planted in the garden, as they will readily mix with squash, much to the detriment of same. Many pumpkins are raised between corn hills, where they should be planted about 15 feet apart.

1 Ounce Pumpkin Seed Contains About 165 Seed

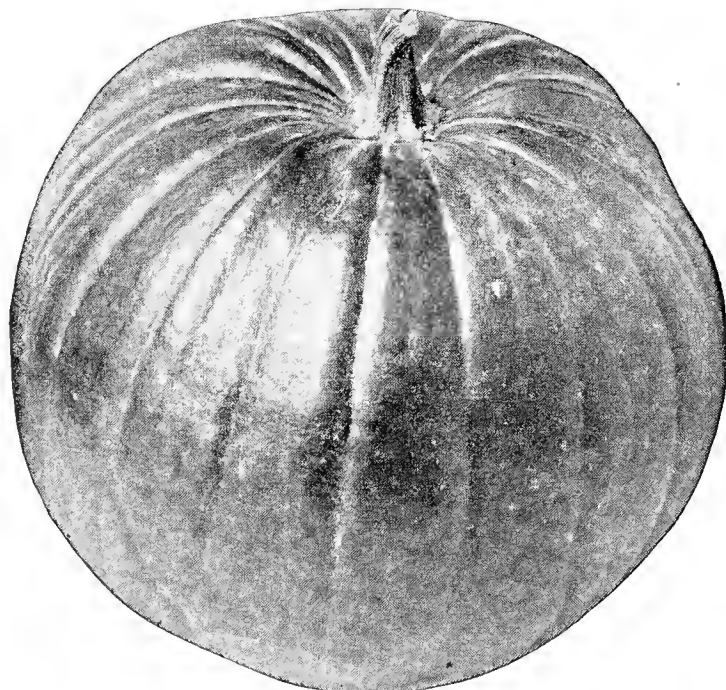
All Prices on This Page Post Paid. All 10c Pkts., 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed



Sugar or New England Pie



Striped Cushaw  
Pumpkin



Kentucky Yellow Field Pumpkin

**315—CUSHAW (Green Striped) (110 days)**—The fruits are crook-necked, with the seed in the blossom end; the rind is white, mottled with irregular green stripes. The average weight is about 12 pounds. It is the most popular of the cushaw types; it is early and very prolific. The seeds are white and highly enameled, and it is largely used for feeding stock. Size, 16 x 10 inches.

Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 35c; lb., 90c; 5 lbs., \$4.00

**318—JAPANESE PIE (110 days)**—Its shape is similar to the Cushaw pumpkins, crook-necked, but the skin is dark green, often showing a trace of lighter green stripes. The seed are large, enameled and are engraved or marked in an irregular way, a little similar to Chinese letters. A very early, popular variety. The seed are all in the blossom end, the neck being solid; it furnishes a large amount of food for stock or canning. Size, 12 x 8 inches. Weight, 10 to 12 pounds.

Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 35c; lb., 80c; 5 lbs., \$3.50

**316—KING OF THE MAMMOTH OR POTIRON (115 days)**—The fruits produced are the largest of any pumpkin or squash; it is often called hundredweight. It is used largely for stock feeding and for exhibition purposes; we occasionally have fruits weighing 100 pounds, but the average is considerably under this. They are a bright lemon in color, mottled with orange color; the fruits are round, with a trace of ribbing. The flesh is very hard, firm and while a little coarse in texture, is of good quality. Very often the fruits are netted or covered with a network of veins, a little similar to those occurring on muskmelons. Size, 24 x 18 inches. Weight, 60 pounds.

Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 35c; lb., 90c; 5 lbs., \$4.00

**314—KENTUCKY FIELD (95 days)**—The fruits are a little similar to the Large Cheese, but these two kinds are not identical, in our opinion. Kentucky Field is used very largely for canning and for feeding stock. The fruits are flat, and the seeds are small and rough. It is a very hardy, late variety. The fruits often are dull orange in color and are not uniform in shape, many being long or round. Size, 12 x 7 inches. Weight, 10 pounds.

Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 20c; lb., 40c; 5 lbs., \$1.50

**320—LARGE CHEESE (100 days)**—It derives its name from its similarity to a cheese box; the fruits are very flat, cream colored and slightly ribbed. It is in wide use for canning purposes; it keeps exceptionally well and is one of the old, widely used kinds of exceptional merit. The seeds are small, thin and fuzzy in appearance. It is extremely prolific and disease resistant. Size, 12 x 7 inches. Weight, 9 pounds.

Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 25c; lb., 45c; 5 lbs., \$1.50

**319—QUAKER PIE (90 days)**—The fruits are medium sized and pointed at both ends; it may be called double bell shaped. The skin is a cream color, very smooth and hard, and the flesh thick and sweet. It is an early variety, but not widely used. Size, 12 x 7 inches. Weight, 10 pounds.

Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 25c; lb., 80c; 5 lbs., \$3.50

**313—SMALL SUGAR (100 days)**—It is also called Boston Pie and Sugar Pie. We believe this variety to be the best pumpkin for general use; it is late, very prolific, and its thick, sweet flesh is adapted for all purposes. The fruits are round and flat on the ends. Size, 8 x 10 inches. Weight, 6 to 7 pounds.

Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 30c; lb., 85c; 5 lbs., \$3.25

**317—TENNESSEE SWEET POTATO (110 days)**—The fruits are pear or bell shaped, of medium size and with a white skin, slightly mottled with green stripes of a light shade. The seeds are large and highly enameled; the fruits average about 15 pounds in weight; the flesh is a creamy white and is very thick and sweet. It is an early type of pumpkin and enjoys wide use. Size, 12 x 9 inches.

Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 35c; lb., 80c; 5 lbs., \$3.50

**325—CORN FIELD PUMPKINS (For Feeding Stock) (110 days)**—Usually planted in corn fields on bottom land.

Pkt., 5c; 1 oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 30c; 5 lbs., \$1.25

Pumpkins Planted in Bottom Corn Produce a Very Cheap Crop for Winter Stock Feeding





## BUCHANAN'S RADISH SEEDS

**CULTURE**—Sow in open ground, in spring, as soon as the soil can be worked. Sow in rich, sandy loam, in drills 18 inches apart; thin plants to prevent crowding. Keep the soil loose and apply a little nitrate of soda. Successive plantings should be made every 10 days or 2 weeks to keep up a continuous supply of crisp and tender radishes. For early use plant the round or button radishes and olive shaped. For later use plant the long and half-long varieties. Sow one ounce of seed to 100 feet of row.

**FOR FIELD PLANTING**—Plant in rows 15 inches apart, plants 3 inches apart, 8 to 10 lbs. to acre; matures in 24 to 40 days. The white tipped is best for all markets.

All Prices on this Page Post Paid. All 10c Pkts. 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

### ROUND AND TURNIP-SHAPED VARIETIES

**340—BUCHANAN'S EPICURE RADISH (26 days) (White Tipped)**—One of the best early radishes for the home garden and a great favorite in large markets for early planting outdoors. The color is very bright, deep rose-carmine scarlet with a distinctly white tip. The flesh is white and of the best quality. The scarlet is unusually deep and affords a distinct contrast with the large, clear white tip.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95

**339—EARLY SCARLET TURNIP (26 days) (White Tipped)**—One of the best early radishes for the home garden and a great favorite in large markets for early planting outdoors. The roots are nearly round, slightly flattened on the underside. The color is very bright, deep rose-carmine scarlet with a distinctly white tip. The flesh is white and of the best quality. The stock we offer is exceptionally attractive in its splendid coloring. The scarlet is unusually deep and affords a distinct contrast with the large, clear white tip.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95

**351—BUCHANAN'S SCARLET GLOBE (24 days)**—One of the earliest and best for forcing; color a very handsome shade of scarlet, mild flavor, crisp and juicy, stands a great amount of heat without becoming pithy. This variety does equally well for forcing and outdoor planting.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25

**338—EARLY SCARLET TURNIP (26 days)**—A round, red turnip-shaped radish with small tops and of very quick growth, deserving general cultivation on account of its rich, scarlet-red color, almost crimson, and its white, crisp, and tender flesh. The roots often grow 1 inch long and 1½ inches in diameter before becoming pithy. This is a splendid variety for early outdoor planting for the home garden and market.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95

**347—CRIMSON GIANT (29 days)**—Suitable both for forcing and early planting out of doors. A remarkable feature is that it will grow double the size of other round red forcing radishes and still remain solid, not showing the least sign of becoming hollow. In shape it is round to oval and very attractive. The flesh is mild and tender.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 25c; 1 lb., 60c; 5 lbs., \$2.25

**344—BUCHANAN'S NEW PERFECTION (25 days) (White Tipped)**—This type of radish, having red skin with a white tip, has long been a great favorite, and with this variety the white portion extends much farther up than is the case with ordinary Scarlet Turnip White Tip Radish. The general contour is turnip-shape, and size medium, very uniform, with flesh crisp, tender, and sparkling. The rapidity of its growth recommends "New Perfection" for growing in the greenhouse, but it is equally as valuable for sowing in the vegetable garden.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95



Buchanan's Perfection

**350—FRENCH BREAKFAST (25 days)**—A quick-growing, small, olive-shaped radish about 1½ inches long by 5⁄8 to ¾ of an inch in diameter when fully grown. The color is beautiful deep rose-scarlet except a little clear white about the tip. This is an excellent variety for planting outdoors for the home garden. Its small tops and earliness make it also desirable for growing under glass.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95

**353—MIXED RADISHES (26 to 30 days)**—Buchanan's Mixed Radishes contain some of each variety catalogued by us except the winter varieties. It contains early, medium and late varieties, the round, half-long, and long. For home garden use we sell thousands of packages of this justly celebrated mixture every year, giving, as it does, a succession of crisp, tender radishes throughout the season from one sowing.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 20c; 1 lb., 45c; 5 lbs., \$1.75



White Tip

### SPECIAL SUBSCRIPTION OFFER

If you will enclose 50 cents along with your regular seed order remittance we will have your subscription to the Progressive Farmer-Southern Ruralist entered for 30 months (2½ years) and it will come to you regularly for that time, post paid to any part of the United States. (Subscriptions to foreign countries 75 cents on this offer.)

Handsome 4-color covers, latest events in pictures, good stories, editorials on subjects vital to the farm, worthwhile articles on farming and farm crops, gardening, fruit, chickens, hogs, cows, and several pages each issue for the home.

In this special offer we guarantee you full satisfaction and money back at the end of 3 months if you don't think it well worth it. Just enclose 50 cents extra with your seed order for a 30 months' subscription and the Progressive Farmer-Southern Ruralist will start coming promptly and regularly for 30 months.



RADISH SEEDS—LONG VARIETIES

All Prices on This Page Post Paid. All 10c Pkts., 3 for 25c  
Quantity Prices—See Yellow Price List Enclosed



White Icicle Radish

BUCHANAN'S  
RADISH COLLECTION, 25c

1 oz. White Tipped Radish	10c
1 oz. Scarlet Turnip Radish	10c
1 oz. White Icicle Radish	10c
1 oz. Long Scarlet Radish	10c

POST PAID FOR 25c 40c

**352—CINCINNATI MARKET** (28 days)—This is the finest long radish to plant for shipment to Northern markets. It is the standard market radish in a number of Southern trucking centers, and is without a doubt the most profitable long variety in cultivation. The skin is scarlet colored, and very thin; the flesh is crisp, brittle, and of delightful flavor. The roots are slender and before becoming pithy are often 6 to 8 inches long by about 5/8 of an inch in diameter at the shoulder.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; 1 lb., 65c; 5 lbs., \$2.25

**341—HALF LONG DEEP SCARLET** (26 days)—The roots of this hardy and desirable sort are of a very brilliant, deep, rich red color and half long, with a somewhat tapering point; the flesh is very white, crisp and tender; of quick growth and seldom pithy.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; 1/4 lb., 20c; 1 lb., 50c; 5 lbs., \$1.95

**343—LONG SCARLET SHORT TOP** (27 days)—The best of the long red radishes. It is very early, of good size, fine quality; most largely planted of all long red radishes.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; 1/4 lb., 20c; 1 lb., 50c; 5 lbs., \$1.95

**345—WHITE VIENNA, OR LADY FINGER** (29 days)—A medium early maturing, long white summer radish; roots are 6 to 7 inches long, white, slender and smooth. This variety grows more above the ground than the Icicle, and consequently is more or less tinged with green at the top of the root.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; 1/4 lb., 20c; 1 lb., 60c; 5 lbs., \$2.25

**346—WHITE ICICLE** (27 days)—A very attractive, pure white radish, the earliest of the long, white summer sorts and of most excellent quality. The roots are somewhat shorter, with smaller tops than Long White Vienna and mature a little earlier. The roots when mature are 5 to 6 inches long by about 1/2 to 5/8 of an inch in diameter.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; 1/4 lb., 20c; 1 lb., 50c; 5 lbs., \$1.95

**355—CALIFORNIA MAMMOTH WHITE** (50 days)—The roots of this very large white winter sort grow 9 to 12 inches long, by 3 or 4 inches or more in diameter just below the shoulder, tapering regularly to the tip.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; 1 lb., 60c; 5 lbs., \$2.25

**349—LONG BLACK SPANISH** (50 days)—One of the latest and hardiest varieties for winter use; grows to large size; roots 8 to 9 inches long and 2 to 3 inches in diameter; nearly black in color. The flesh is white, very firm and of good quality; a very popular market variety.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; 1 lb., 65c; 5 lbs., \$2.25

**348—CHINA ROSE, WINTER** (50 days)—One of the very best winter sorts; roots are cylindrical, or largest near the bottom, stump-rooted, or blunt at both ends; skin smooth and bright, deep rose color; flesh white, crisp and pungent; the roots are 4 to 5 inches long and 2 inches thick.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; 1 lb., 65c; 5 lbs., \$2.25

SALSIFY OR OYSTER PLANT

1 ounce sows 50 feet of drill; 8 pounds 1 acre

**CULTURE**—Plant in March or April in rich, light, deeply worked soil, in rows 18 inches apart, and thin out to 4 to 6 inches. Do not use coarse or fresh manure; it makes the roots ill-shaped and uneven. Cultivate often. Perfectly hardy and may remain out all winter. Can also be planted in May and June if the season is favorable or boards be used to get the seeds up and shade the young sprouts until they get established.

**364—MAMMOTH SANDWICH ISLAND**—The most popular salsify in cultivation, and far superior in size, weight and productiveness. A strong grower, with large, long, white tapering roots, without tendency to branch.

Pkt., 5c; oz., 20c; 2 ozs., 35c; 1/4 lb., 50c; lb., \$1.65; 2 lbs., \$3.00; 5 lbs., \$6.75

TOBACCO

**CULTURE**—The seed should be sown as soon as possible after danger of frost is over. In the spring it is customary to burn a quantity of brush and rubbish on the ground intended for the seed-bed; then dig and pulverize the earth, mixing in the ashes. After this preparation the seed may be sown, covering very lightly. When the plants are 6 inches high, transplant into rows 4 feet apart each way. Cultivate thoroughly with plow and hoe.

**365—WHITE BURLEY**—A favorite for plug fillers and wrappers. Light colored leaves of fine flavor and aroma.

Pkt., 10c; oz., 40c; 1/4 lb., \$1.40

**366—HAVANA**—The leaf is very thin and of fine texture. This variety is much used for cigar wrappers.

Pkt., 10c; oz., 40c; 1/4 lb., \$1.40



Salsify or Oyster Plant

NUMBER OF PLANTS TO THE ACRE AT GIVEN DISTANCES

Dis. Apart	No. Plants	Dis. Apart	No. Plants	Dis. Apart	No. Plants	Dis. Apart	No. Plants	Dis. Apart	No. Plants
12 x 1 in.	522,720	20 x 1 in.	313,635	30 x 16 in.	13,068	36 x 36 in.	4,840	48 x 36 in.	3,630
12 x 3 in.	174,240	20 x 20 in.	15,681	30 x 20 in.	10,454	42 x 12 in.	12,446	48 x 48 in.	2,723
12 x 12 in.	43,560	24 x 1 in.	261,360	30 x 24 in.	8,712	42 x 24 in.	6,223	60 x 36 in.	2,901
16 x 1 in.	392,040	24 x 18 in.	15,520	30 x 30 in.	6,970	42 x 36 in.	4,148	60 x 48 in.	2,178
18 x 1 in.	348,480	24 x 24 in.	10,890	36 x 3 in.	58,080	48 x 12 in.	10,890	60 x 60 in.	1,743
18 x 3 in.	116,160	30 x 1 in.	209,088	36 x 12 in.	14,520	48 x 18 in.	7,790	8 x 1 ft.	5,445
18 x 12 in.	29,040	30 x 6 in.	34,848	36 x 18 in.	9,680	48 x 24 in.	5,445	8 x 3 ft.	1,815
18 x 18 in.	19,360	30 x 12 in.	17,424	36 x 24 in.	7,260	48 x 30 in.	4,856	8 x 8 ft.	680
								10 x 1 ft.	4,356
								10 x 6 ft.	726
								10 x 10 ft.	435
								12 x 1 ft.	3,630
								12 x 5 ft.	736
								12 x 12 ft.	302
								16 x 1 ft.	2,722
								16 x 16 ft.	170



## SPINACH SEED

Spinach is one of the most important sources of vitamins. It is included in all healthful diets, and is absolutely necessary to the general health and development of small children. When properly cooked and prepared for table, it is a most palatable dish.

All Prices on this Page Post Paid. All 10c Pkts. 3 for 25c  
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

**CULTURE**—One ounce to 60 feet of drill. For an early summer crop, sow early in the spring, in drills, 1 foot apart, and thin out to 2 inches in the row. For winter and early spring crop, sow either broadcast or in drills about the first of September to December 15.

**FOR FIELDS**—Sow broadcast, 15 to 20 pounds to acre, ready in 8 weeks, produces enormously and is becoming one of the South's best quick money crops. Write for prices in quantities.

**359—DARK GREEN BLOOMSDALE (Savoy Leaved) (50 Days)**—An improvement over Reselected Bloomsdale in that it is darker green, more crumpled and blistered, and is almost as early as the Reselected Bloomsdale, maturing only about 2 or 3 days later. Due to the reduced proportion of early bolting male plants, it is slower in running to seed than Reselected Bloomsdale.

Pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 50c; 5 lbs., \$1.65

**359A—RESELECTED BLOOMSDALE OR SAVOY LEAVED (45 Days)**—Leaves well rounded, much crumpled and blistered, glossy, and of a deep green color. Matures early, but bolts to seed rather quickly. Recommended for planting in the fall for early spring use. It is used extensively by both market and home gardeners, and is of high quality.

Pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 45c; 5 lbs., \$1.50

**359B—LONG STANDING BLOOMSDALE (Savoy Leaved) (50 Days)**—Very longstanding. Leaves are intensely crumpled and blistered, glossy, of a dark green color, and well rounded. Reaches marketable size a little later than the Reselected and the Dark Green Bloomsdale, but will remain in good condition from 8 to 12 days longer, due to the almost total absence of early shooting male plants. Developed from a single plant selection by Zwaan and Van Der Molen of Holland.

Pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., 55c; 5 lbs., \$2.25

**359C—BLIGHT RESISTANT BLOOMSDALE (45 Days)**—The true Virginia Savoy strain, very resistant to the Mosaic disease, popularly known as "yellows" or "blight." Matures earlier than any other Savoy Leaved Spinach, is well crumpled, and runs very uniform. Color, dark green. Bolts to seed very early and is, on this account, decidedly not a "hot weather" spinach. Should not be planted until after the middle of August in the vicinity of Memphis, although in some sections very good results are obtained with very early spring sowings. Recommended as a "winter spinach," being resistant to comparatively low temperatures.

Pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., 55c; 5 lbs., \$2.25

**361—NEW ZEALAND (55 Days)**—Grows 1½ feet high and, if transplanted, 2 or 3 feet; will produce an abundant crop in the hot weather, when the ordinary spinach cannot be had.

Pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 60c; 5 lbs., \$2.75

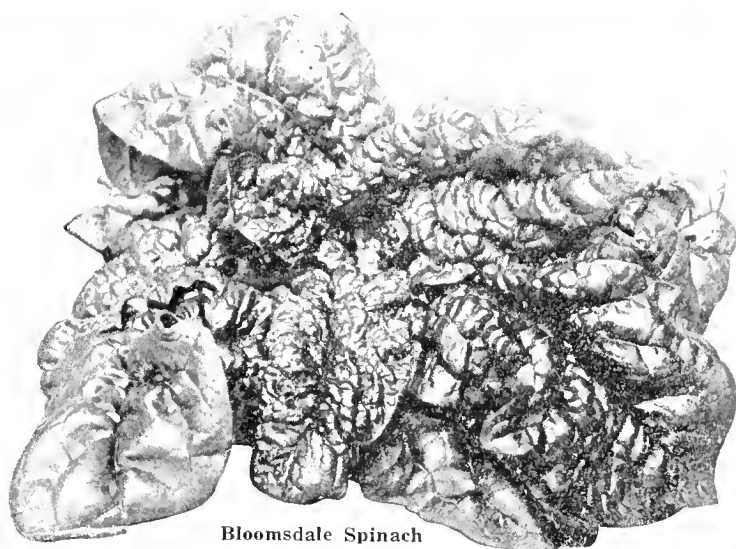
## SQUASH SEED

**363—GIANT SUMMER STRAIGHTNECK (65 Days)**—The convenient straight shape of this squash makes it superior to the old crookneck from which it was selected. However, it has kept the warty creamy-gold skin, the large size, the fine quality, and the earliness of the parent squash. The plants are bushy in type, vigorous growing and productive. Our stock of this variety will produce a maximum of straightneck fruits.

Pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00; 5 lbs., \$4.50

**368—EARLY WHITE BUSH (60 Days)**—The well known White Scalloped Squash. One of the earliest to mature; very productive; skin and flesh a light cream color. Similar to Mammoth White Bush, except finer grained and not so large. A very popular variety for shipment to Northern markets from Florida, as well as being a general favorite for home gardeners everywhere.

Pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.50



Bloomsdale Spinach



Early White Bush Squash

**369—MAMMOTH WHITE BUSH (60 Days)**—Similar to Early White Bush. They are larger and more uniform in shape, and about five days later.

Pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., 90c; 5 lbs., \$4.00

**371—GOLDEN SUMMER CROOKNECK (60 Days)**—Bush variety, early and prolific; surface deep yellow, densely warted, quality and flavor good.

Pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.50

**372—GIANT YELLOW CROOKNECK (65 Days)**—The best summer variety; fruit is large, bright yellow, and covered with warts.

Pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.50

**367—GOLDEN CUSTARD (60 Days)**—A flattened, scalloped bush squash of the largest size. Flesh is pale yellow and of very fine flavor. Except for color, this squash is identical with the Mammoth White Bush. This is a splendid yellow variety to plant.

Pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., 90c; 5 lbs., \$4.00

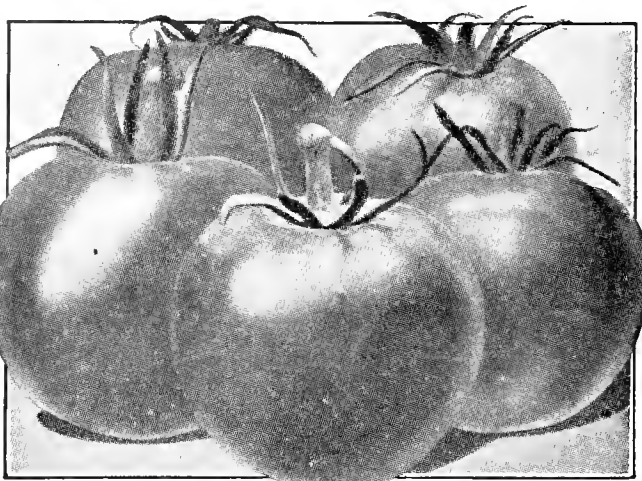
**373—DELICIOUS (105 Days)**—A fall or winter sort, of medium size; top-shaped in form, dark green in color. The flesh is dark orange, very sweet, dry and delicious. An excellent keeper.

Pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00; 5 lbs., \$4.50

**374—HUBBARD (100 Days)**—One of the best winter squashes; flesh bright orange-yellow, fine-grained, very dry, sweet and richly flavored.

Pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., 90c; 5 lbs., \$4.00





Marglobe

**381-PONDEROSA** (88 days)—Fruits are very large, purplish crimson in color, solid, meaty, and very sweet. Our selected strain of Ponderosa, while not nearly so fine a Tomato as Buchanan Brimmer, is less rough and ribbed than the ordinary Ponderosa and is quite popular. It makes fine slices and is suited only to home use and local market.

Pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.25

**387-BREAK O'DAY** (Deep Scarlet) (70 days)—An early type of Marglobe. Almost as early as Earliana, but a finer tomato, closely resembling Marglobe in shape, depth of fruit, thickness of wall and color, both inside and outside. The fruits are of medium size, deep, solid and almost seedless. Break O'Day is the development of Dr. Pritchard, of the U. S. Department of Agriculture. It is an important introduction, for which a wonderful future is predicted.

Pkt., 5c; ½ oz., 20c; oz., 30c; ¼ lb., 75c; lb., \$2.25

**390-PRITCHARD** (Scarlet Topper) (73 days)—Wilt resistant, of the type of plant known as self-topping or self-pruning. A little earlier than Marglobe, fruits globe-shaped, deep scarlet, smooth and solid. A good home and market variety and very popular for shipping and canning.

Pkt. 5c; ½ oz., 20c; oz., 30c; ¼ lb., 75c; lb., \$2.25

**387-A-OXHEART** (90 days)—This extraordinary new pinkish fruited, main crop Tomato has really large, bulging fruits which taper almost to a point. The cell structure is broken so fruits are heavy and very solid; setting in clusters of 3 to 7. Vine growth is open and spreading; yield is quite heavy. There are comparatively few seeds in this solid and beautifully shaped variety. It commands a premium on most retail markets.

Pkt. 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.45; lb., \$4.40

**388-LIVINGSTON GLOBE** (Purplish Pink) (84 days)—A tomato of outstanding merit that ripens just after the very early kinds. Always smooth, firm fleshed, and has but few seeds. Very productive; the plants have many short joints at which clusters of fruits are formed; they are borne freely all over the vine. The globe shape allows more slices from each fruit than other varieties. A remarkably good keeper, and even when picked quite green, it ships well and colors up handsomely. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., \$2.75

**389-EARLY DETROIT** (Purple) (81 days)—This splendid variety is the largest and best of the early purplish pink tomatoes. The fruits are very smooth, uniform in size, nearly globe-shaped. Pkt. 5c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., \$2.75

**397-BUCHANAN'S BRIMMER TOMATO** (90 days)—The largest of all tomatoes. Single tomatoes weighing 3 pounds and 18 inches around have been grown by training to a single stem. It must be staked. The Brimmer has no core, very few seeds, is solid and nearly all meat.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00; lb., \$3.75

**382-NEW STONE** (Deep Red) (86 days)—The standard and general favorite with truckers and canners; always dependable, very vigorous and productive; fruits round, large, solid, smooth and deep red in color.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 50c; lb., \$1.75

**380-YELLOW PONDEROSA** (89 days)—Very handsome and the best large smooth yellow tomato. Meaty, solid and sweet, with bright golden yellow color.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.10; lb., \$3.95

## BUCHANAN'S TOMATO SEEDS

**CULTURE**—Six or eight weeks before frost is over, sow ¼ inch deep in hot-beds, in pots or shallow boxes in the house, and when they have made 4 leaves, transplant to boxes or pots to promote root growth. Expose as much as possible to harden them so that, when set out in the open ground, they will be strong and stocky, but do not allow the growth to be checked. Transplant 3 to 4 feet apart in a light, warm soil, and shade them a few days until they are well rooted. One ounce makes about 1,500 plants; 4 ounces will make plants for an acre.

**FOR FIELD PLANTING**—Set plants 3 feet apart in rows 4 feet apart, require 3,600 plants to acre.

Maturity estimated from time plants set in field.

All Prices on This Page Post Paid. All 10c Pkts. 3 for 25c.  
Quantity Prices—See Yellow Price List Enclosed

### STATE CERTIFIED TOMATO SEED

We offer State Certified Marglobe, Break-O-Day, and Scarlet Topper Tomato seed. Grown for us under the supervision and officially sealed in one pound bags by the New Jersey Department of Agriculture. These are certified as to excellency of stock, trueness to type and freedom from disease. Try some of these Certified seed and note their vigor, uniformity of type and heavy yields. We offer State Certified Seed of the above mentioned varieties only until sold out. See complete descriptions of these varieties on this page.

Pkt., 15c; ½ oz., 40c; oz., 55c; ¼ lb., \$1.65; lb., \$4.50

**393-MARGLOBE** (Wilt Resistant) (79 days)—Main crop, scarlet-fruited variety, originated by the U. S. Dept. of Agriculture for wilt resistance. It is claimed to be also resistant to "nail-head rust" which attacks tomato fruits. Fruits are of medium size, smooth, solid and deep from stem to blossom ends. They are set in clusters of 5 to 7 on vines with medium to heavy growth. Cell structure is irregular. It is a cross between Marvel and Globe and really has retained the best characteristics of each. It is a valuable addition for wilt resistance, the Popular Globe shape, scarlet color, a good cropper, marketer and shipper. Marglobe simply leaped into popularity for the main tomato in wilt territories—the best all-round variety.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; lb., \$1.85

**394-GULF STATE MARKET WILT-RESISTANT** (82 days)—We believe the Gulf State Market to be the chief purplish-pink fruited market variety grown in the Gulf States. Gulf State Market was developed out of the Early Detroit. The vines are very vigorous and withstand blight exceptionally well. The fruits are large, round or globe shaped, show but little depression about the stem and are smooth and free from cracks. Color, deep purplish-pink, ripening well about the stem. The skin is firm and the flesh is solid.

Pkt., 5c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., \$2.90

**377-BUCHANAN'S BEEFSTEAK** (Pink) (90 days)—Is without doubt the largest, meatiest and finest flavored tomato in cultivation, and is less acid than most varieties. The plants are healthy and luxuriant, quite blight-resistant and continuous and abundant bearers. They are so vigorous that even in dry seasons we have grown tomatoes of unusual size. The fruits are practically all meat.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00; lb., \$3.00

**375-EARLY ACME** (Purplish-pink) (82 days)—The vines are large, hardy and productive, ripening their first fruits early, although not an extra early variety. The fruits are purplish-pink, round, smooth and of medium size, free from cracks and stand shipment very well. Acme is also used for the home garden.

Pkt. 5c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., \$2.75

**378-SPARKS' EARLIANA** (Pink) (66 Days)—Medium size, very early, of purplish-pink color, very prolific, fruits forming almost in clusters. Very handsome in shape, quite solid, and of fine quality.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 65c; lb., \$2.00

	Pkt.	½ oz.	oz.	¼ lb.	lb.
<b>385-NORTON WILT-RESISTANT</b> (Red)	5c	15c	25c	75c	\$1.95
<b>391-BUCK BRAND WILT-RESISTANT</b>	5c	15c	25c	75c	\$1.95
<b>379-CHALK'S JEWEL</b> (Bright Scarlet)	5c	15c	25c	75c	\$1.95
<b>383-RED ROCK</b> (Red)	5c	15c	25c	75c	\$1.95
<b>392-JUNE PINK TOMATO</b> (Pink)	5c	15c	25c	75c	\$1.95



**BUCHANAN'S TURNIP SEEDS**

**CULTURE**—One ounce will sow 200 feet in drill; 2 to 3 pounds for an acre. For early use, sow seed of flat varieties in open ground in spring, in drills 1 foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession sow every two weeks until May. For fall and winter, sow in August and until December. A good crop may often be grown by scattering seed thinly in the corn field and cotton field at the last cultivation.

**All Prices on This Page Post Paid  
Prices Not Prepaid—See Yellow Sheet Enclosed**

**408—SHOGGIN OR JAPANESE**—A new foliage turnip from Japan that has proved itself superior to most other varieties. Resists heat, sun, dry weather, and lice. Quickly produces an enormous yield of upright-growing, succulent foliage, usually 2 feet tall, which is crisp, tender and of a superb mild flavor. The roots are large, pure white, semi-globular and of a most excellent quality for table use.

**Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$2.75**

**402—BUCHANAN'S AMERICAN RED TOP WHITE GLOBE**—Handsome appearance and extra fine quality accounts for the extreme popularity of our special bred strain. Globe shaped, the upper part reddish purple, lower part snow-white. Flesh pure white, sweet and tender. For the home garden and for market it has no superior.

**Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$2.75**

**401—PURPLE TOP WHITE GLOBE**—An all-purpose variety, extensively used for home and market gardens and for shipping. Our pure-bred strain is noted for its uniformity and productivity. Tops dark green, large, erect. Roots large, globe shaped, very smooth; upper part purple, white below; flesh white, sweet, crisp and tender.

**Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; 5 lbs., \$2.50**

**395—LARGE WHITE GLOBE**—Of perfect globe shape; skin white and smooth.

**Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95**

**399—RED OR PURPLE TOP FLAT STRAP LEAF**—An early flat sort; flesh white.

**Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95**

**400—SEVEN TOP**—Used extensively for greens; will grow all winter.

**Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 40c; 5 lbs., \$1.40**

**403—EARLY WHITE FLAT DUTCH STRAP LEAF**—A very early flat, strap leaved white turnip of medium size and fine quality. Probably forming marketable tops earlier than any other variety of turnip.

**Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95**

**404—SOUTHERN PRIZE**—Valued highly for greens; also a nice root.

**Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 40c; 5 lbs., \$1.40**

**405—BUCHANAN'S MIXED TURNIP**—Varieties mixed to last from fall to spring.

**Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 45c; 5 lbs., \$1.60**

**406—EXTRA EARLY WHITE EGG**—A very early, tender and crisp turnip.

**Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95**

**411—PURPLE TOP YELLOW ABERDEEN**—A yellow-fleshed late maturing turnip.

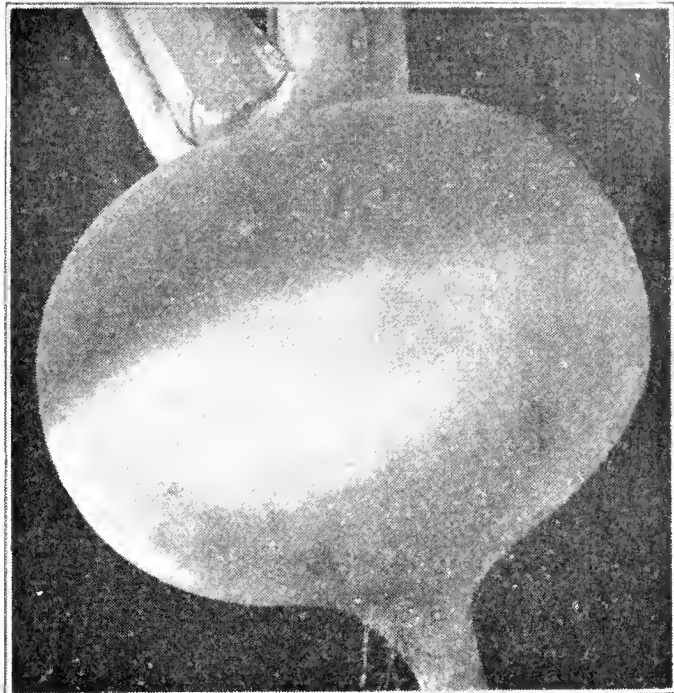
**Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95**

**413—AMBER GLOBE**—A large green-crowned yellow variety.

**Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95**

**418—RUTABAGA—IMPROVED PURPLE TOP YELLOW**—Grows the same shape and size as Purple Top Globe Turnips. Color of skin, yellow with purple crown. Flesh deep yellow, fine grain and of excellent quality. It is an excellent keeper. The top is much shorter than most rutabagas; it has absolutely no neck and is a rapid grower.

**Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$1.95**

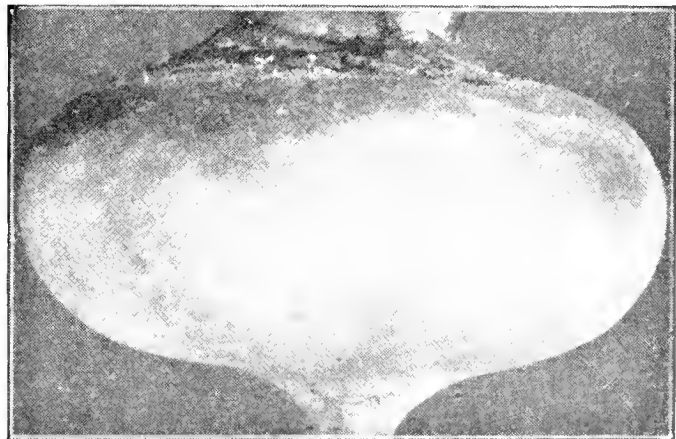


Purple Top Globe

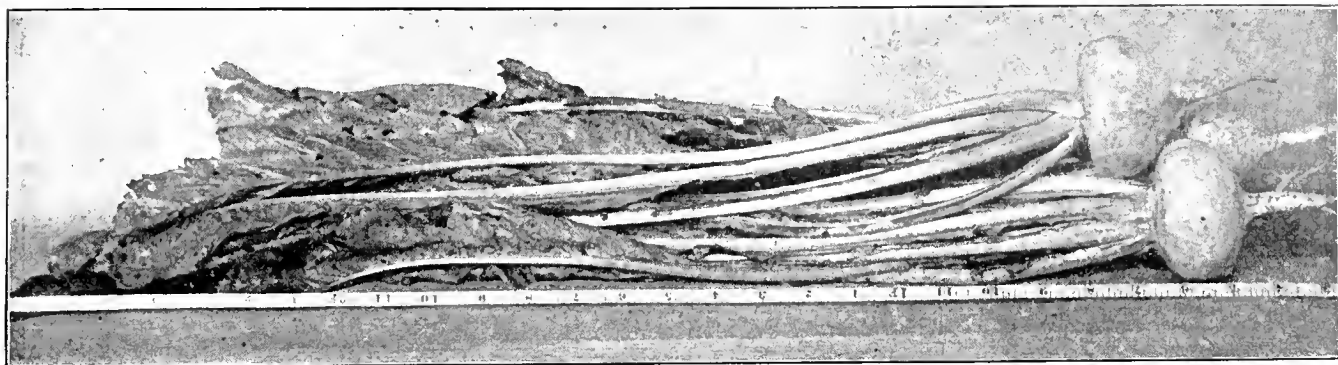
**415—Buchanan's Big 7-Turnip Collection, 35c**

The most popular of all turnip collections. This gives every family in the South a full supply of early, medium and late turnips. No other house offers you such a bargain in turnip seed as this. For 35 cents we will send you post paid one ounce each of Extra Early White Egg, Purple or Red Top Strap Leaf, Early White Flat Dutch, Purple or Red Top Globe, Yellow or Amber Globe, Improved American Rutabaga, and Seven Top—7 ounces of turnips, all different, for 35 cents, delivered at your post office. No other varieties will be sold at this price, and no changes will be allowed in this collection. If you do not want to plant all this seed this fall, what you hold over is perfectly good for your next spring planting.

**7 ounces, 7 varieties, 35 cents, post paid**



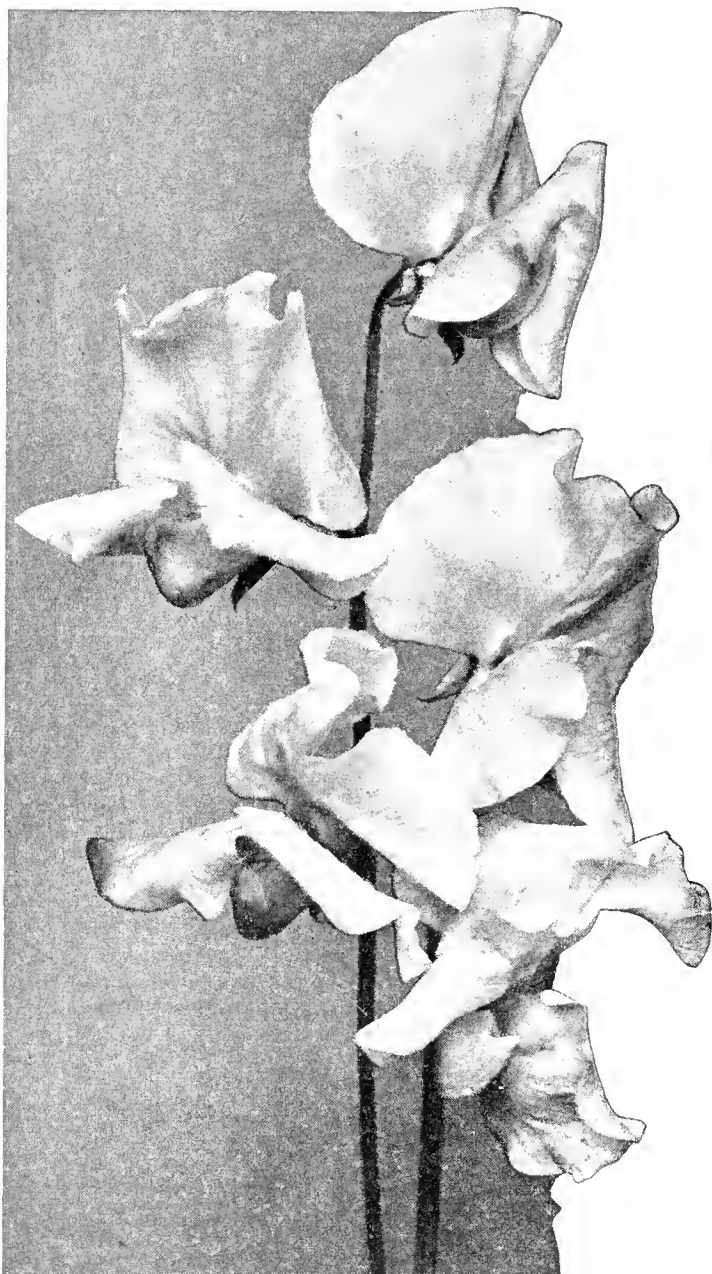
Purple Top Strap Leaf



Shogoin or Japanese Foliage Turnip



# Buchanan's California Grown Spencer Sweet Peas



Spencer Sweet Peas

**CULTURE**—Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the seed is well above the ground, the little plants should be thinned out so as to be at least from 2 to 4 inches apart.

All Prices on this Page Post Paid All 10c Pkts. 3 for 25c—7 for 50c		Pk.	Oz.	1/4 Lb.	1 Lb.
850	<b>WHITE (King White).</b> Remarkable for the glistening purity of the whiteness and the perfect finish of the flower. Of gigantic proportions. Strong and very free-flowering. It is the finest white-seeded white variety, altogether free from any color. Of exquisite form and texture.....	.10	.25	.75	2.00
851	<b>DEEP PINK (Hercules).</b> This is a magnificent deep rose-pink. The standard is of enormous size. The whole flower is of excellent form.....	.10	.25	.75	2.00
852	<b>BLUE (Wedgewood).</b> The flowers are a bright delphinium blue. They are very large, of heavy substance, and beautifully waved; borne with the greatest freedom invariably in fours on a stem of great length.....	.10	.25	.75	2.00
853	<b>DEEP CERISE (Fiery Cross).</b> The standard is a scorching deep cherry red with an orange-scarlet suffusion. The wings are a rich cherry orange, harmonizing with the standard.....	.10	.25	.75	2.00
854	<b>LAVENDER (Florence Nightingale).</b> A soft, clean, rich lavender, enlivened by a faint sheen of rose pink. Of large size, well formed and free blooming.....	.10	.25	.75	2.00
855	<b>MAROON (Warrior).</b> The color is a rich reddish maroon flushed with bronze. Lovers of dark shades will appreciate this fine color. A strong grower and free bloomer, with large well-waved blooms.....	.10	.25	.75	2.00
856	<b>SALMON (Helen Lewis).</b> A rich apricot pink or salmon colored flower; large, long stemmed flowers.....	.10	.25	.75	2.00
857	<b>CREAM (Dobbie's Cream).</b> A strong growing, cream or primrose. A profuse blooming variety, with large, much-waved flowers.....	.10	.25	.75	2.00
875	<b>MIXED (Buck Brand Spencer Mixed).</b> A splendid mixture of Spencer named varieties that will afford a variety of blooms of improved forms and in the widest possible range of desirable colors.....	.05	.15	.50	1.25
876	<b>BUCHANAN'S UNRIVALLED MIXTURE SPENCER VARIETIES.</b> This mixture contains a fine selection of the largest and most attractive named varieties, including many of the newest novelties.....	.10	.25	.75	1.75

**10** 880 Buchanan's Collection of Buck Brand Spencer Sweet Peas, full size 10c packets of 10 separate colors, post paid **75c**

**EARLY OR WINTER FLOWERING SPENCER SWEET PEA**—A new race of Sweet Peas, having the large-waved flowers of the Spencer type, but flowering fully one month earlier; they also continue to flower for a much longer period. Excellent for greenhouse planting.

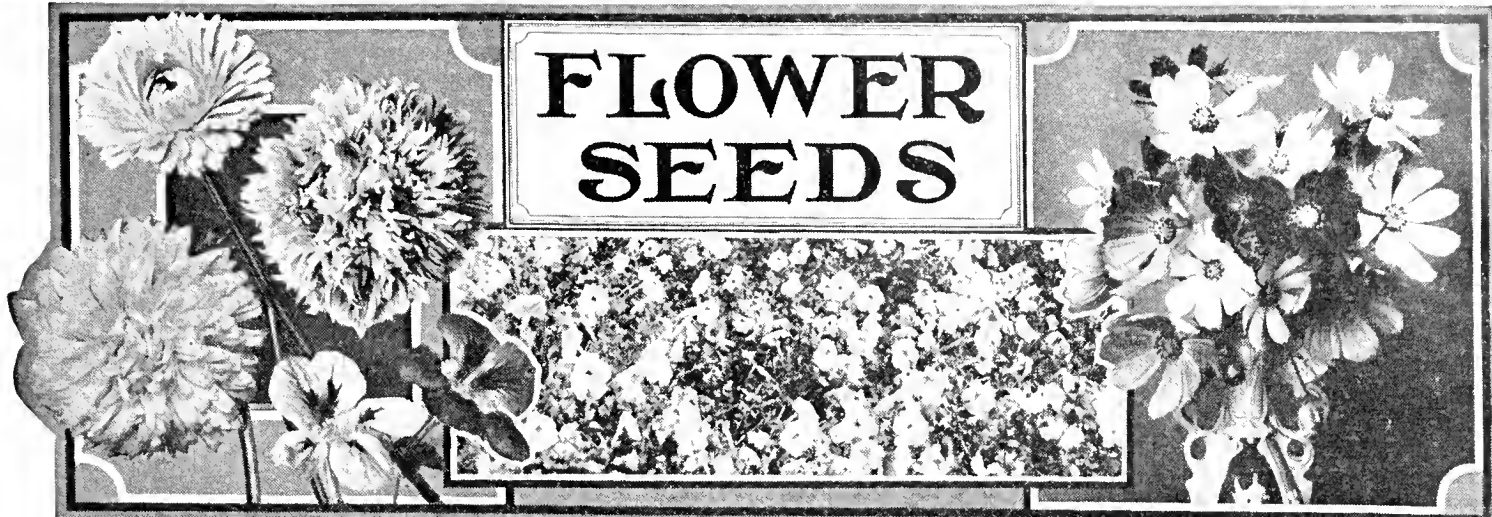
	Pk.	Oz.	1/4 Lb.
825 <b>WHITE (Improved Snowstorm).</b> This is by far the finest of all white winter flowering varieties. The flowers are extra large and of fine form.....	.15	.50	1.25
826 <b>CRIMSON (Grenadier).</b> The color is rich, poppy-scarlet. The flowers are borne on long stems.....	.15	.75	1.75
827 <b>LAVENDER (Harmony).</b> A very beautiful clear lavender of vigorous growth; free blooming.....	.15	.50	1.25
828 <b>BICOLOR (Columbia).</b> The standard is a rich rose-pink; wings a fine delicate creamy rose.....	.15	.50	1.25
829 <b>ROSE (Zvolanek's Rose).</b> A giant rose pink. The flowers are of largest size and usually borne in fours.....	.15	.50	1.25
830 <b>BLUE (Bluebird).</b> This is a charming shade of blue, somewhat similar to Wedgewood.....	.15	.50	1.25
831 <b>ORANGE-SCARLET (Glitters).</b> The standard is a bright fiery orange, and the wings are deep orange. Very beautiful.....	.15	.50	1.25
832 <b>MIXED.</b> This is a carefully composed blend of the finest of the many named varieties of Early Flowering Spencers.....	.10	.25	.90
834 <b>BUCHANAN'S COLLECTION OF EARLY OR WINTER FLOWERING SPENCER SWEET PEAS.</b> One packet each of seven separate colors.....			75c

All Seeds listed on this page are delivered transportation paid in the U.S. or possessions. **ORDER EARLY.**





# FLOWER SEEDS



CULTURAL DIRECTIONS are printed on the packets. By following them almost any person will have fair success in the culture of flowers. While some seeds need special treatment, the following general rules will apply to all: Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four or six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily, thin out the young plants to prevent crowding and keep entirely free from weeds. Never allow the seedlings to suffer from drouth.

We give the same careful attention to flower seed as to vegetable and field seed, and after 35 years experience believe that there is no finer flower seed grown than those offered here—pay particular attention to pages on Zinnias.

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c—7 for 50c

		Pkt.	Oz.
500	ADONIS (Aestivalis, Flos Adonis, One Foot). Pretty little plant with feathery, fresh green foliage, dotted with innumerable small blood-red flowers.....	.10	.50
	AGERATUM. One of the best summer-blooming plants. They are rapid growers and constant bloomers. During the hot, dry summer months their bright flowers are produced in the greatest profusion of charming blue or white flowers.		
501	LITTLE GEM (Blue). Dwarf six inches, azure blue.....	.10	.50
502	MIXED. Charming selection, all colors.....	.10	.50
500A	ABRONIA (Sand Verbena). A charming trailing plant with verberna-like heads of fragrant flowers of bright rose with white center. It delights in a dry, poor soil and sunny locations.....	.10	.50
500B	ARCTOTIS (Blue-eyed African Daisy). It forms much branched bushes 2 to 3 feet high; its daisy-like flowers are pearly white with a gold band surrounding a delicate mauve center. It is not only pleasing when open, but also when it closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower.....	.10	.70
504	ALYSSUM (Little Gem). The finest white variety having large flowers. Very fragrant.....	.10	.50
505	SWEET ALYSSUM. Flowers white and honey scented, an early bloomer and continues until frost.....	.10	.35
503	SAXATILE COMPACTUM. Eight inches, dwarf, cream or straw color.....	.10	.65
508	AMARANTHUS (Mixed). Brilliant foliage plant. Useful for bedding.....	.10	.50
508A	AMARANTHUS (Caudatus) (Love Lies Bleeding). Three foot with drooping red spikes.....	.10	.25
	ANTIRRHINUM (Snap Dragon). Beautiful spikes of gaily colored flowers. They are one of the best cut flowers which can be grown from seed, while for beds or borders they are a pleasure, being in flowers all the time if placed in a sunny position.		
	TALL FLOWERING. 24 to 36 inches.	Pkt.	¼ Oz.
510	BUTTERFLY (Striped) 511 GOLDEN KING (Yellow)...	.25	.40
512	VENUS (Pink and White) 513 ROSE QUEEN (Rose Pink)...	.10	.40
514	FIREFLY (Scarlet).....	.10	.40
515A	SILVER PINK. Exquisite light pink ideal.....	.10	.40
515	TALL MIXED 516 DWARF MIXED.....	.10	.30
517	Buchanan's Collection of Tall Flowering Antirrhinum (Snap Dragon). One packet each of five separate colors.....		40c
	AQUILEGIA (Columbine). [hP-2½ ft.] In a recent contest more people all over the country voted for this blossom as the national flower than for any other except the wild rose. It is a general favorite. Both the native and the improved varieties are exquisite, and no garden can afford to be without a liberal assortment of these delicately graceful plants which bloom so early in the season. From a clump of light green leaves at the base the branching stems project, carrying their long-spurred blossoms. Many of these have star-shaped rings of outer petals surrounding their central tubes. The plants look frail, and yet they are strong and hardy and will thrive in almost every situation, preferring partial shade and considerable moisture. As cut flowers they are artistic when the branches are arranged in natural form.		
520	SINGLE (Finest Mixed) 521 DOUBLE (Finest Mixed)...	.10	.50



Antirrhinum (Snapdragon)



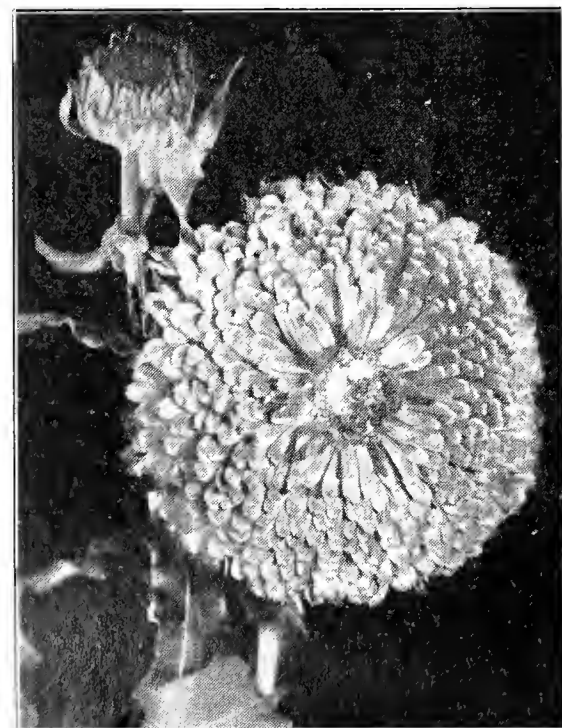
Aquilegia (Columbine)



Giants of California Aster



Comet Asters



Calendula (Pot Marigold)

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c—7 for 50c

	Pkt.	¼ Oz.
<b>ASTERS.</b> This has become one of the most popular, beautiful and effective garden plants, growing from 10 to 24 inches high. Sow the seed early in the spring, under glass or in pots, in the house, and transplant into rich soil.		
<b>GIANTS OF CALIFORNIA.</b> Magnificent, giant-flowered Aster with very large, elegant flowers composed of broad, loosely arranged petals gracefully curved and interlaced. The blooms are carried on stems 18 to 24 inches long. A rather late bloomer.		
533A WHITE	533C DEEP ROSE	.15 .85
533B LIGHT BLUE	533D DARK PURPLE	.15 .85
533G COLLECTION: 1 pkt. of each color, 50c.		
533E GIANTS OF CALIFORNIA (Mixed Colors). Well blended.		.15 .75
533F HEART OF FRANCE. Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration.		.15 .85
<b>GIANT COMET ASTER.</b> Flowers of immense size, often 6 inches across. Long wavy, twisted petals, gracefully formed into loose yet dense globe, resembling Chrysanthemums.		
519 EARLY EXPRESS. Earliest blooming of all the Asters. Flowers large and full. Finest mixed.		.10 1.00
522 PURPLE	525 LIGHT BLUE	.10 .50
523 PURE WHITE	526 SCARLET	.10 .50
524 CLEAR ROSE	533 LAVENDER	.10 .50
532 BUCHANAN'S COLLECTION of GIANT COMET ASTERS. One packet each of six separate colors, lavender, light blue, purple, white, rose, scarlet.		50c
527 GIANT COMET MIXED.		.10 .50
528 ASTER (Peony Flowered). Large and double mixed.		.15 1.00
528A ASTER. California Sunshine Finest Mixed.		.20 1.10
529 ASTER (Victoria). Imbricated petals; large flowers; mixed.		.10 .50
530 ASTER (China, Mixed). Well known, hardy variety.		.10 .40
531 IMPROVED BRANCHING. Large flowers; mixed.		.10 .40
534 BACHELOR'S BUTTON—Cornflower—Blue Bottle, Ragged Sailor or Ragged Robin—Centaurea Cyanus. Known under all these names, this very easily grown flower is always included in old-fashioned gardens and usually reseeds itself every year. It blooms all summer long and should be in every Southern garden. Selected Double Flowering. All colors mixed.		.10 .15
536 BALLOON VINE. A rapidly-growing annual climber, 10 feet		.10 .15
DOUBLE BALSAM (Touch-Me-Not). 1½ to 2 feet. An old and favorite garden flower, producing the double flowers clustered in the axils of the leaves on very short stems. The plants are sturdy and fleshy, making a fine garden plant. Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart.		
537 BALSAM (Camellia Flowered Mixed).		.10 .15
537A BALSAM. Double Salmon Pink.		.10 .15
538 BALSAM APPLE	539 BALSAM (Pear).	.10 .15
540 BEGONIA. Wax flower. Everblooming plant of sturdy, compact growth with glassy foliage and a profusion of blooms. Dwarf mixed.		.25 ...
541 BELLIS (English Daisy). It blooms from early spring to well on in the summer. Easily raised from seed, which may be sown any time from spring till August. For best results new plants should be raised from seed each year. Double mixed.		.10 .50
544 BRACHYCOME (Swan River Daisy). Dwarf annuals, which bloom nearly all summer. Mixed colors.		.10 .30
543 CALENDULA CHRYSANTHA. Gold medal winner. A distinct type which is outstanding among all varieties. The large double flowers are an exquisite shade of clear buttercup yellow and the loosely arranged petals give the appearance of a chrysanthemum.		.10 .40
545 CALENDULA (Pot Marigold). Calendulas bloom all summer and thrive anywhere, especially in city gardens. The graceful, star-shaped flowers exhibit every shade of yellow from ivory to deep orange. Well adapted for cutting, being borne upon long stems. Mixed. All the double sorts.		.10 .15
545A RADIO. The flowers are medium size, good depth and clear orange in color. The petals are beautifully quilled which has an extraordinary effect on the appearance of the flower.		.10 .20
545B LEMON QUEEN. A reliable variety supplying large blossoms of clear lemon yellow. It has long been a standard Calendula.		.10 .15
545C CAMPFIRE. A notable Calendula of recent introduction. It is a vigorous grower with enormous, double flat brilliant orange flowers, with a crimson or scarlet sheen.		.10 .40





## BUCK BRAND TESTED SEEDS

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		Pkt.	$\frac{1}{4}$ Oz.
546	<b>CALLIOPSIS.</b> Showy, beautiful, free-blooming plants, producing large, bright flowers of rich and charming colors throughout the entire summer. Mainly hardy annuals; 1 to 2 feet high.....	10	.15
548	<b>CANDYTUFT.</b> A dwarf annual of easiest culture; free-blooming, showy, and useful for beds, borders and edgings. Sow seeds where plants are to bloom, in rows 6 or 8 inches apart, thinning out to afford plenty of room, as they branch quite freely. Height 1 ft. Finest mixed.....	10	.15
548A	<b>CANDYTUFT (Giant Hyacinth Flowered White).</b> This distinct type is a very handsome border plant. Several large bold floral spikes, each resembling a well formed Hyacinth, are grouped upright about a stout stem.....	10	.25
	<b>CANNAS (Indian Shot).</b> These very attractive summer bedding plants can be grown readily from seed. The seed is extremely hard and should be soaked in warm water until swollen. Sow singly in small pots of sandy soil and set in a warm place, preferably a hotbed or sunny window. Set out in June where they are to flower.		
549	<b>Large-Flowered Mixed.</b> .....	10	.20
	<b>CANTERBURY BELL.</b> Handsome, hardy biennial of stately growth, rich color and profuse bloom. Has large bell-shaped flowers, are effective in various colors. Height 2 to 4 feet.		
550	<b>Mixed.</b> .....	10	.15
551	<b>CARDINAL CLIMBER.</b> A new and brilliant colored annual climber. Flowers glowing scarlet. $1\frac{1}{2}$ inches in diameter, the tube being $1\frac{1}{4}$ inches in length. Vines attaining a height of from 20 to 30 feet.....	10	.40
	<b>CARNATION.</b> Although half-hardy perennials, they begin flowering in a few weeks from time of sowing. They are especially adapted for outdoor culture.		
552	<b>Margaret—Giant Mixed.</b> Immense double flowers.....	10	.50
552A	<b>Giant Cardinal Red.</b> .....	15	.90
	<b>CELOSIA (Cockscomb).</b> 1 foot. Of easy culture. Thrives in light soil. Fine border plants, in bloom from mid-summer until frost. When grown as large specimens they are of unrivaled beauty. For filling flower beds and borders these plants are now largely used during summer in city parks.		
555	<b>Tall, Mixed</b> .....	10	.40
557	<b>556 Dwarf, Mixed.</b> .....	10	.15
	<b>CENTAUREA IMPERIALIS.</b> Sweet Sultan. Produces long stemmed blossoms $2\frac{1}{2}$ in. across and very fragrant. Colors range through white, pink, red, blue, lilac and royal purple, finest mixed.....	10	.15
559	<b>CENTAUREA CANDIDISSIMA.</b> Dusty Miller, 16 in., very decorative foliage plants with attractive fern like frosty white leaves. Highly recommended for edging beds of bright colored flowers.....	15	.35
	<b>CHRYSANTHEMUM.</b> Very showy and easily grown, producing single and double flowers of various colors.		
560	<b>Single Mixed.</b> Fine for cutting and makes a pretty display in the garden.....	10	.15
561	<b>Double Mixed.</b> Many colors, red, white, yellow, pink and rose.....	10	.15
562	<b>COBEA SCANDENS (Cup and Saucer Vine).</b> A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large. Finest mixed.....	10	.25
563	<b>COLEUS.</b> Plants with richly colored foliage of maroon, green, crimson, yellow, etc. For groups on lawns, and ribboning, they are indispensable, and also valuable for pot culture. Choice mixed.....	10	1.50
	<b>CONVOLVULUS (Morning Glory).</b> Thrives anywhere. Showy flowers in a variety of colors. Sow where plants are to bloom.		
564	<b>Heavenly Blue</b> .....	10	.15
566	<b>Major (Rose)</b> .....	10	.15
568	<b>Major (Mixed)</b> .....	10	.15
569	<b>Japanese Mixed.</b> New improved Japanese Convolvulus flowers measuring from 4 to 5 inches across; great variety of colors.....	10	.15
	<b>CORNFLOWER.</b> A graceful, old-fashioned plant, which blooms freely throughout the entire summer and usually re-seeds itself. They will grow in most any soil, and are in great demand as cut flowers.		
572	<b>Double Blue</b> .....	10	.15
	<b>573 Double Mixed</b> .....		
	<b>573A Double Pink</b> .....		
	<b>COREOPSIS.</b> Hardy, easily grown perennial, 2 ft. high. Producing large bright yellow flowers in great profusion.		
574	<b>Choice Mixed.</b> .....	10	.25



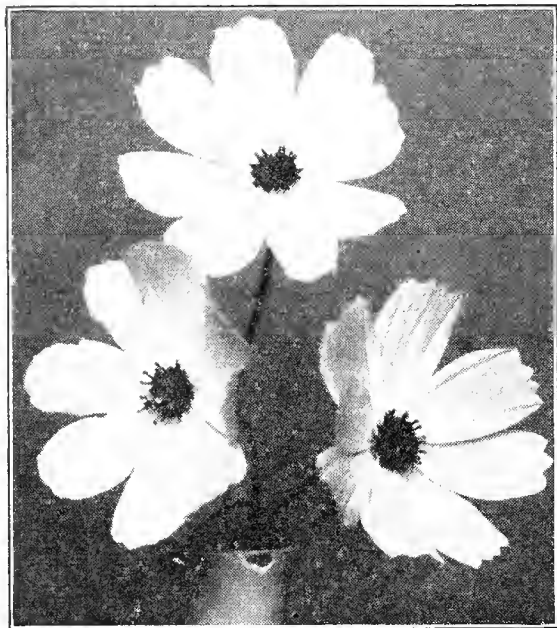
Cornflower



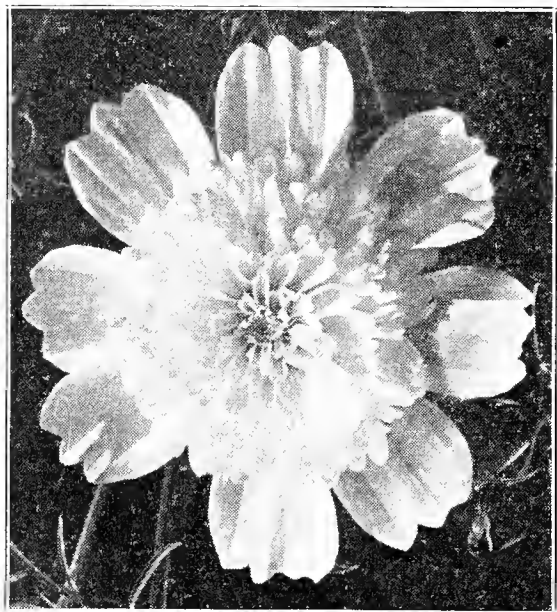
Canterbury Bell



Centaurea (Sweet Sultan)



Early Klondyke (Orange Flare)



Double Crested Cosmos



Shasta Daisy

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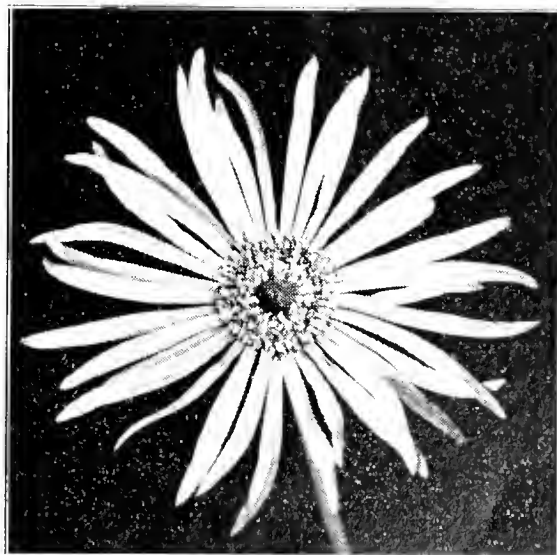
	<b>COSMOS (Giant).</b> Flowers measure from 4½ to 5 inches across, petals fringed, pinked, toothed and plain, and in colors from pure white through shades of pink and red to rich dark red.		
575	<b>Giant White (Early)</b>	<b>575A Giant White (Late)</b> .....	.10 .15
576	<b>Giant Crimson (Early)</b>	<b>576A Giant Crimson (Late)</b> ....	.10 .15
577	<b>Giant Pink (Early)</b>	<b>577A Giant Pink (Late)</b> .....	.10 .15
578	<b>Klondyke (Late).</b> Orange shade.....		.10 .25
578A	<b>Klondyke (Early).</b> Orange Flare. This is one of the most discussed and admired novelties on the market today. The same vivid orange as ordinary Klondyke but the foliage is much less abundant, giving a plant which is a mass of color. Will flower in less than 4 months		.15 .35
579	<b>Giant Mixed (Late)</b>	<b>580 Giant Early. Mixed</b> .....	.10 .15
	<b>DOUBLE CRESTED OR ANEMONE FLOWERED (Late).</b> These differ from the other Cosmos in the formation of the center of the flower. This develops a crown or crest like an anemone. The guard petals remain the same.		
581	<b>Pink Beauty</b>	<b>581A Crimson King</b> .....	.15 .50
581B	<b>White Queen</b>	<b>581C Choice Mixed</b> .....	.15 .50
586	<b>CYPRESS VINE.</b> 15 feet; rapid growing climber; fine for trellis; star-like red and white flowers and feathery foliage....		.10 .20
586A	<b>Red 586B Pink</b> .....		.10 .20
	<b>CLARKIA.</b> 2 ft. A popular summer annual, can be grown in ordinary soil.		
587	<b>Apple Blossom. Double Pink</b> .....		.15 .25
587A	<b>Salmon Queen. Double Salmon</b> .....		.15 .25
587B	<b>Scarlet Queen. Double Orange Scarlet</b> .....		.15 .25
587C	<b>Choice Mixed</b> .....		.15 .25
	<b>DAHLIA.</b> A favorite for autumn flowering, blooming the first season from seed if started early. The flowers are so symmetrical and perfect and the range of colors so wide and varied that they will always be popular where display is wanted.		
588	<b>Finest Single Mixed.</b> Will produce brilliant flowers running through a wide range of striking colors.....		.10 .35
589	<b>Finest Double Mixed.</b> Seeds saved from choicest double flowers, including shades of red, pink, dark maroon, yellow, white, etc.....		.10 .75
590	<b>CACTUS DAHLIAS.</b> The new strain is very popular wherever grown, being especially valuable for cut-flower work. Petals of the large flowers are beautifully pointed and the range of coloring is remarkably fine and satisfactory. Mixed colors.		.25 2.00
593	<b>SHASTA DAISY (Alaska).</b> A splendid hardy perennial with flowers of glistening white frequently 5 inches across, with broad overlapping petals and borne on strong stems of medium height, ideal for cutting.....		.10 .50
594	<b>SHASTA DAISY (Conqueror).</b> Pure white, double flowers as large as Shasta Daisy Alaska, borne on stems 2½-3 ft. in length		.10 .50
599	<b>DIDISCUS (Blue Lace Flower).</b> Grows 2 ft. high, long stems, produces lavender flowers. Constant bloomer.....		.10 .30
	<b>DELPHINUM (Hardy Perennial Larkspur).</b> Among the best plants for mixed borders. Perennial Larkspurs grow better than annual varieties; they should be planted further apart.		
600	<b>Single Mixed—10, 75</b>	<b>601 Double Mixed</b> .....	.15 1.00
	<b>DIANTHUS OR PINKS.</b> An old favorite which blooms constantly all summer. The flowers are brilliantly colored and very fragrant.		
602	<b>Heddewegi (Japanese Pinks).</b> Large double flowers with brilliant colorings. They bloom from June until frost.....		.10 .15
603	<b>Chinese—Double Mixed.</b>	<b>604 Chinese—Single Mixed..</b>	.10 .20
	<b>ESCHSCHOLTZIA (California Poppy).</b> A hardy free-flowering annual, growing about 15 inches high and producing quantities of single, poppy-shaped blooms in shades of yellow, orange and red. Flowers over a long period.		
606A	<b>Dainty Queen. Coral Pink</b> .....		.10 .20
606B	<b>The Geisha. Orange Crimson</b> .....		.10 .20
606C	<b>Scarlet Beauty</b>	<b>606D Purple Glow</b>	.10 .20
610	<b>FORGET-ME-NOT.</b> A pretty little old-fashioned perennial, producing its flowers in early summer. Quite hardy once it is established; flowers blue.....		.10 .50
611	<b>EUPHORBIA.</b> Snow on the Mountain. 2-3 ft., remarkable distinct decorative plant. Leaves light green edged with white. Bushy plants, suitable for cutting to mix with flowers, but in greatest demand as a showy, border plant.....		.10 .15
610A	<b>CYNOGLOSSUS.</b> Amabile (Chinese Forget-Me-Not) Blue flowers.....		.10 .15
612	<b>FOUR O'CLOCK (Marvel of Peru).</b> A handsome, free-flowering plant. They open their blossoms about 4 o'clock in the afternoon, hence their name. Dwarf mixed.....		.10 .15



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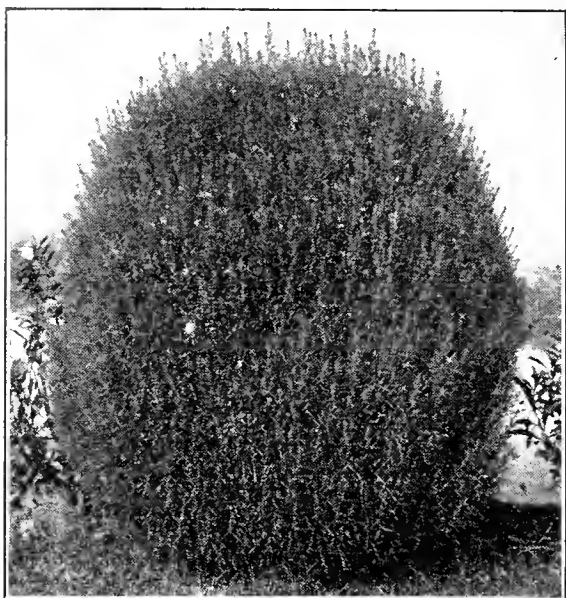
	Pkt.	¼ Oz.
613 <b>FOXGLOVE</b> ( <i>Digitalis</i> ). Grows to the height of 3 or 4 feet, with dense spikes of brilliantly colored flowers which are terminal and half as long as height of plant. Much of the quaint charm of an old fashioned garden is created by stately spires of Foxglove. Their long spikes are crowded with large thimble-shaped blossoms beautifully spotted on the exposed interior surfaces. They are ornamental subjects for naturalizing among shrubs or in the background of a hardy border. Mixed . . . . .	.10	.20
615 <b>GAILLARDIA</b> ( <i>Blanket Flower</i> )—Remarkable for the profusion, size and brilliancy of their flowers. Continuing in bloom from early summer till November; excellent for beds, borders or for cutting; should be sown where they are to bloom; 1½ feet. Fine colors, mixed. . . . .	.10	.20
615A <b>THE DAZZLER</b> . Intense maroon red and golden yellow. This is a reselected strain of giant perennial Gaillardia. Very largest dark, rich red with bright orange petal tips, extra long strong stems and very attractive for cut flowers. By far the largest and most attractive Giant Red on the market today. (See cut at left) . . . . .	.10	.40
616 <b>GERBERA</b> ( <i>Transvaal Daisy</i> ). 24 in. The most perfectly formed daisy-like blossoms, 2 to 4 inches across, being borne on long stems, are unsurpassed as cut flowers. For garden culture in cold climates the plants are wintered over in cold frames. They are easily grown from seed and will commence flowering the first year. The colors include a wilderness of tints, from dove white through amber, pale yellow, orange, salmon, rose, cerise and ruby-red to violet. It has made quite a "hit" when exhibited at recent flower shows. Pkt., 25 seeds 25c		
618 <b>GERANIUM</b> . Grows 1 to 2 ft. high. These grow readily from seed the first year and produce blooming plants the first summer. Choice mixed. . . . .	.20	.95
617 <b>GODETIA</b> . Sow in the open ground in the early spring. They are profuse and constant bloomers, and their delicate tints of crimson, rose-pink and white make them very attractive when in full bloom. Half dwarf varieties mixed. . . . .	.10	.35
619 <b>GILIA</b> ( <i>Blue Thimble Flower</i> ). Beautiful bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender blue flowers. Choice mixed. . . . .	.10	.20
620 <b>GOMPHRENA</b> ( <i>Globe Amaranth</i> ). A desirable everlasting, valued for its handsome globular heads of flowers which can be dried and used in winter bouquets. Choice mixed . . . . .	.10	.15
628 <b>GOURDS</b> . A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth they are fine to cover old fences, trellises, stumps, etc. Mixed. . . . .	.10	.15
<b>GYPSOPHILA</b> ( <i>Baby's Breath</i> ). Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases. . . . .	.10	.20
630 <b>Elegans Grandiflora Alba</b> , Annual White. . . . .	.10	.25
630A <b>Paniculata</b> , Perennial White. . . . .	.10	.20
631 <b>Elegans Mixed</b> , Annual. . . . .	.10	.50
631A <b>Elegans Rosea</b> , Annual Soft Pink. . . . .	.10	.50
<b>HELIANTHUS</b> ( <i>Sunflower</i> )—3 to 6 feet. The state flower of Kansas. Of easiest culture. Suitable for backgrounds, screens and to plant among shrubbery. In bloom from June until frost. 632 Dwarf Mixed. . . . . 633 Tall Mixed . . . . .	.10	.50
634 <b>Stella</b> ( <i>Miniature Sunflower</i> ). Plants grow 3 feet high with many spreading branches. Their large single golden-yellow flowers with black centers are excellent for cutting. . . . .	.10	.15
<b>HELICHRYSUM</b> ( <i>Straw Flower</i> ). Bright, attractive summer blooming annual, of free growth, producing in abundance large double red, white, yellow flowers . . . . .	.10	.15
635 Mixed . . . . . 635A Canary Yellow . . . . . 635B Violet Queen. . . . .	.10	.15
635C Fireball, Bright Scarlet . . . . . 635D Rose Queen. . . . .	.10	.15
636 <b>HELIOTROPE</b> . Always popular on account of its delightful fragrance. The seed is rather slow in starting and had best be sown in boxes or in a hotbed. While it is a perennial, it will not stand any frost and is therefore started afresh each year, unless one cares to remove the plants to the house before frost comes. Can be started from cuttings. Mixed colors. . . . .	.10	.50
<b>HOLLYHOCK</b> . Grand summer and autumn flowering plants, bearing long spikes of double flowers, 3 to 4 inches across. They are old inhabitants of our gardens, but are now so improved in doubleness and enlarged in size, under our special culture and hybridization, as to be revelations of gorgeous beauty to those who have not seen these improved sorts. . . . .	.10	.50
637 Single Mixed. . . . . 638 Double Mixed. . . . .	.10	.50
639 Double, Yellow . . . . . 640 Double, Red . . . . . 641 Double, White . . . . .	.10	.75
642 Newport, Pink. . . . .	.15	
643 <b>Buchanan's Collection of Double Hollyhocks</b> . One packet each of four separate colors. . . . .	.35c	

Foxglove (*Digitalis*)

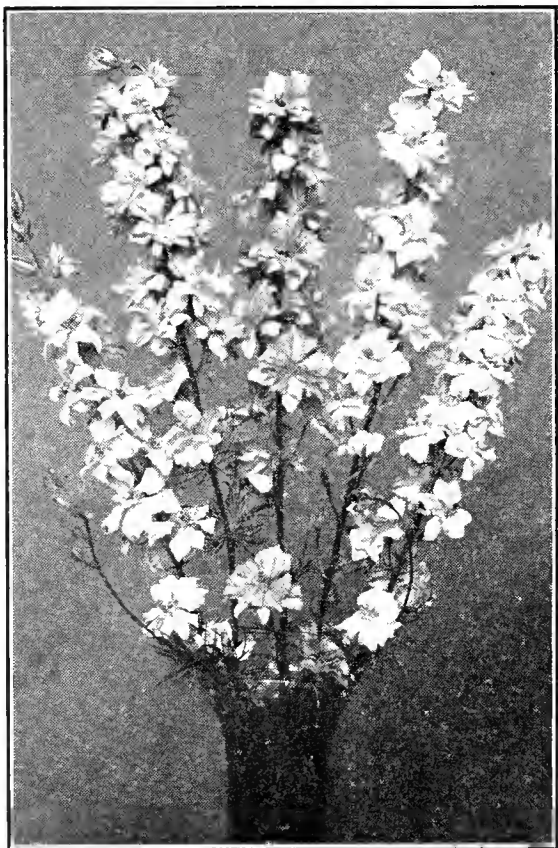
Gerbera

Gaillardia (*The Dazzler*)





Kochia



Larkspur



Marigold

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	Pkt.	1/4 Oz.
644 HUMULUS (Japanese Hop Plant). Climber; 12 feet; grows very rapidly. Has dense leaves; is valuable for covering trellis or porch.	.10	.20
HYACINTH BEAN (Jack Bean). Annual climbers, of rapid growth, 10 feet high, with wistaria-like clusters of flowers, followed by bronzy-purple seed pods.		
645 Purple. Attractive rose-violet flowers with dark ruby-purple seed pods.	.10	.15
650 KENILWORTH IVY. A neat and charming hardy perennial trailing plant for boxes, baskets and rockeries. Lavender and purple flower. Pkt.,..... 25c; 1/8 oz., 50c		
652 KUDZU VINE (Jack-and-the-Bean-Stalk). Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth.	.10	.15
653 KOCHIA—Mexican Fire Plant or Summer Cypress. Makes a pyramidal-shaped, cypress-like bush with feathery light-green foliage, deepening until it becomes a lovely crimson hue about September. Excellent for hedges along garden walks.	.10	.15
654 LANTANA. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer, remains in bloom late in autumn. They have an agreeable aromatic perfume. Dwarf Hybrids—Mixed..	.10	.30
LARKSPUR (Annual Delphinium). Popular garden annuals. This splendid class grows 2 to 3 feet high and bears flowers on long stems, rendering them of exceptional value for cutting purposes. The spikes of flowers are of varied shades of red, blue, white, etc. They are of easy culture, thriving in almost any soil—but a sunny situation suits them best.		
655 Miss California (new), rich deep pink on salmon ground....	.10	.40
655A Bright Violet..... 655B Lavender.....	.10	.20
655C Red Carmine King..... 656 Exquisite Pink.....	.10	.35
657 Dark Blue..... 658 Lustrous Carmine.....	.10	.20
659 Emperor Mixed. Produces an abundance of long, slender spikes in the most delicate colors.	.10	.25
LATHRYUS LATIFOLIUS (Perennial Sweet Pea). A decorative climbing sweet pea for growing on fences, etc.		
661 Choice Mixed .....	.10	.25
663 LINUM (Crimson Flax). One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings.	.10	.15
663A LINUM. Perennial blue.....	.10	.15
664 LOBELIA. Lobelias require rich soil and plenty of water. The annual varieties, 4 to 6 inches, are extensively used for edging baskets and urns. Mixed.....	.10	.35
664A LUPIN, Giant. Mixed. Free flowering easily grown annuals; valuable for mixed borders, beds and cutting.	.10	.15
MARIGOLD. In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable. The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted.		
667A Legion of Honor (Little Brownie). Very popular single variety of compact growth, about 9 inches high. Produces masses of golden yellow flowers with velvet brown centers from spring until late fall.	.10	.15
667B Robert Beist. An unique saturated warm shade of shining purple scarlet which is new in Marigolds.	.10	.15
665 African Tall Double—Mixed.....	.10	.20
666 Orange Queen. Large, perfect double quilled, flowers of a rich, deep, golden-orange color. Very attractive.....	.10	.35
667 Lemon Queen. These are lemon color, but the formation of the flower is exactly like the Orange Queen.....	.10	.50
668 French Dwarf Double Mixed.....	.10	.15
668A Guinea Gold. Produces a neat, compact plant, about 2 1/2 feet high, literally covered with blossoms. The flowers, about 2 1/2 inches across, are semi-double in character, and loosely ruffled. The color is a brilliant golden orange or California gold, the color so much in demand by florists.	.10	.40
669 MATRICARIA. Small double white quilled flowers, well adapted for bedding and cutting.	.10	.20
MIGNONETTE. No garden is complete without this fragrant, modest-colored flower. Mignonette can be had in bloom at almost any time during the year. The flowers grow closely together in cone-shaped spikes. Splendid in bouquets of more pretentious flowers.		

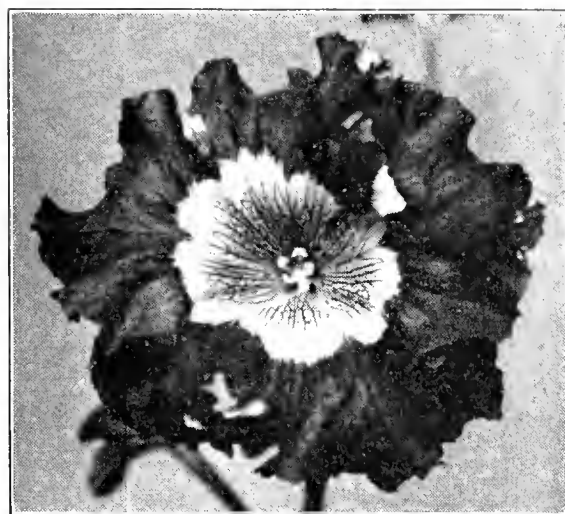


BUCK BRAND TESTED SEEDS

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Pkt.  $\frac{1}{4}$  Oz.

- 670 **Machet.** This improved Machet Mignonette produces broad, cone-shaped spikes of very fragrant red flowers on strong stems, dressed with vigorous foliage, evenly branched and of continuous-blooming habit; one of the best for either garden or pot culture. . . . .10 .15
- 670A **Red Goliath.** Very large spikes of a pronounced red shade. .10 .35
- 671 **Golden Goliath.** Large flowered, very sweet; light yellowish white. . . . .10 .35
- MOON FLOWERS.** Tall growing annual climber, related to the family of Morning Glories; have dense foliage; they are useful to cover trellis work, verandas, etc. Plant seeds out of doors when warm weather sets in. Soak them first.
- 672 **White Hybrid.** At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers .10 .15
- 673 **Bona Nox.** Large, fragrant violet blossoms, expanding at night. . . . .10 .15
- 673A **Heavenly Blue.** The flowers measure from  $3\frac{1}{2}$ -4 in. across, sky-blue with white throat. . . . .10 .25
- NICOTIANA (Sweet Scented Tobacco Plant).** One of the easiest annuals to raise and one of the most effective. The flowers open toward evening and emit a powerful perfume.
- 674 **Affinis (Tuberose-flowered Tobacco).** Free flowering annuals with deliciously scented tubular white flowers, growing 2 to 3 ft. in height. . . . .10 .15
- 674A **Sanderae Hybrids.** Large flowering hybrids. Very showy, in a great variety of colors. . . . .10 .15
- BUCHANAN'S NASTURTIUMS**
- Sow the seed where it is to remain late in the spring and after danger of frost is over. Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil.
- 676A **NASTURTIUM—Golden Gleam.** Large, golden-yellow semi-double flowers, very fragrant. . . . .10 .25  $\frac{1}{4}$ lb. .75
- 676B **DOUBLE GLEAM HYBRIDS.** Beautiful new colors, ranging from pale primrose (almost white) through yellow, orange, salmon and gold, salmon-pink, rose, rare art shades, eerise, scarlet, crimson, blood-red, deep maroon and mahogany. There are flowers of solid colors, uniform throughout, and others with showy markings of contrasting colors. The flowers are quite dazzling in their scintillating brilliance. All are sweetly perfumed and measure 3 inches across. Long stout stems carry the big double or semi-double flowers well above the foliage. At almost every Flower Show, Double Hybrid Nasturtiums were given the highest award for the finest new annual flower. . . . .25 . . . . .
- 675 **DWARF MIXED.** The plants form a small, round bush, 12 to 16 inches high, which is a mass of bloom all summer. .05 .10 .35
- 676 **TALL OR CLIMBING (Mixed).** Of quick growth, covering a wall, hedge, or trellis in a short time. The brilliant blossoms almost cover the plant from top to bottom. . . . .05 .10 .30
- 677 **NIGELLA (Love-in-the-Mist).** A compact, free-flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed. . .10 .15
- 678 **Miss Jekyll.** A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender blue, nestling in fine feathery foliage. . . . .10 .15
- 679 **OENOTHERA (Evening Scented Primrose).** These open their flowers in the evening and one can enjoy a thrill in the garden if they will sit for 15 minutes at twilight and watch the evening primrose unfold their petals. Mixed. . . . .10 .15
- 680 **Pansies, Giant Trimardeau Mixed.** Our stock of this variety produces as large pansies as can be grown. Flowers of richest most varied shades, well rounded form and generally marked with three large blotches. . . . .15 .75
- 681 **Pansies, Mixed.** Very large flowers of exeeptionally fine form and substance, usually ruffled and beautifully veined and blotched. . . . .10 .50
- 682 **PASSIFLORA (Passion Flower).** A beautiful vine climbing about 15 feet. Exquisitely formed, sky blue and white flowers with rich green foliage. . . . .10 .35



Buck Brand Fringed Petunia (Page 40)



Double Gleam Hybrid Nasturtium



Single Poppies (Page 40)

READ PAGE THREE

You will find a most complete planting flower seed table; showing name, height, shape, color, best use, months to plant, where to plant and blooming months; also number seed to an ounce and number days required for seed to germinate.



## BUCHANAN'S PETUNIAS

These varieties produce their handsome, sweet-scented flowers in delicate and gorgeous colors throughout the whole summer and can be cut back and transplanted in pots or boxes to take indoors during the winter.

Sow the small seeds in a warm, sunny, open place outdoors, thinning to 15 inches apart, or in frames for transplanting. Scatter seeds thinly, barely cover and firm soil; water seedlings with a fine spray to prevent drying out.

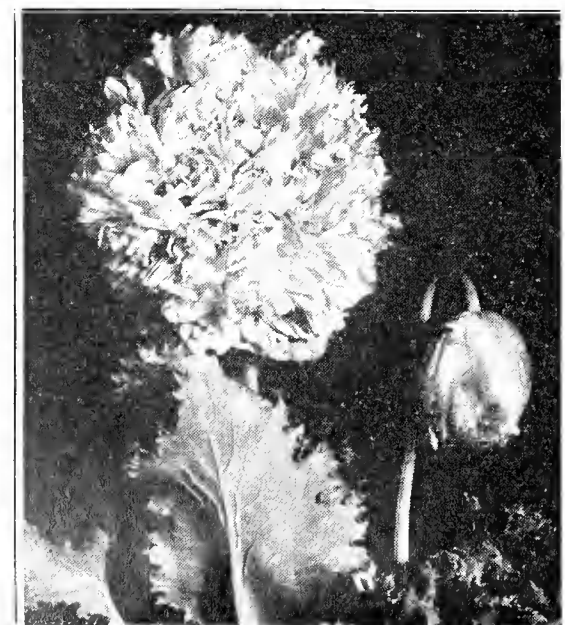
Petunia seed is very fine and very expensive, therefore very few seeds in each packet. The double large flowering petunia costs us (\$100.00) one hundred dollars for (1 oz.) one ounce.



Dwarf Petunia



Phlox



Double Poppy

All Prices on this Page Post Paid. All 10c Pkts. 3 for 25c—7 for 50c

	Pkt.	¼ Oz.
694 Fancy Double Large Flowering. Choice fringed, a fancy mixture which produces a large percentage of Doubles; no better strain offered. .... Pkt. 100 Seeds 35c		
686 Giants of California. A large-flowering strain with fringed and ruffled flowers of rich, velvety colors and deep yellow throats. This mixture is the first picking from the choicest plants. .... Pkt. 300 Seeds 25c		
684 Dwarf Giants of California. Ramona Strain; magnificent large flowers borne profusely on dwarf compact plants. This strain is outstanding not only for its compact habit, but also for its marvelous color range. ....	.25	...
686A THEODOSIA. Single, largest fringed rose, gold throat. .... Pkt. 300 Seeds 25c		
683 NONA COMPACTA. Pink Gem—First of a charming new race of miniature Petunias, it forms a neat, compact plant 6 in. high and 8 in. in diameter and is covered with a profusion of exquisite pink blooms 2 in. in diameter. ....	.15	...
685 Buck Brand Fringed Mixed. Flowers are very large and ruffled with open shallow throats. The colors are mostly the desirable red and dark shades richly marked and veined. This is one of the fanciest types of petunias. .... Pkt. 300 Seeds 25c		
687 BALKONY VARIETIES. Single large flowering sorts.		
687 Striped and Blotched. Includes striped or blotched flowers in a wide range of brilliant colors. A fine bedder. ....	.10	.50
689 Balcony Rose	.15	1.25
690 Balcony Scarlet	.15	1.25
691 Balcony Purple		
692 Balcony Mixed		
DWARF BORDER PETUNIAS. Excellent material for edging and low ribbon borders. Compact low bushes of very free flowering habit.		
693 Rosy Morn. Compact in habit of plant but producing throughout the summer an abundance of clear rosy pink flowers with white throat. An excellent sort for borders, bedding or porch boxes. ....	.10	.75
693D Rose of Heaven. Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. ....	.15	.75
693A Silver Blue. Dwarf; Rosy Morn type. Very silvery, beautiful new light blue. ....	.15	1.00
693B Elks Pride. Largest deepest blue violet. Wavy edges; rather compact plant. ....	.25	6.50
693C Snowball. Pure satiny white; the compact bushes are completely covered with snow white flowers. ....	.15	1.00
688 Dwarf Mixed. Plants compact growing. A choice mixture of many shades and colors. Very desirable for small beds. ...	.10	.75
PHLOX. The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors.		
700 Drummondii—Mixed	.10	.30
701 Snowball. Pure white	.10	.50
702 Fireball. Blood-red	.10	.40
703 Star Mixed	.15	1.00
704 Decussata (Perennial Mixed)		
705 PHYSALIS (Chinese Lantern Plant). Grows 1½ feet. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns. ....	.10	.30
POPPIES. Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems.		
DOUBLE ANNUAL FLOWERING POPPIES		
706A Eldorado. Double Shirley, new fine range of colors. ....	.10	.15
706B Deep Pink. Double satiny flowers of deep pink, the most popular of the new poppies. ....	.10	.15
707 Carnation. Flowered mixture of Double Poppies. Large sized flowers with fringed petals of all shades, many striped. ...	.10	.15
710 Peony Flowered Mixture. Double ball-shaped flowers with plain edges of gigantic size. ....	.10	.15
711 Double Queen. California mixed. ....	.10	.25
SINGLE ANNUAL FLOWERING POPPIES		
708 Tulip. Large tulip shaped flowers of dazzling scarlet. ....	.10	.15
709 Oriental Mixed. The royal members of the poppy family. ...	.10	.50
706 Shirley Mixed. Beautiful colors of rose, apricot, salmon pink, crimson and blues. ....	.10	.15
712 American Legion. A dazzling orange scarlet of enormous size borne on long stout stems. ....	.10	.15

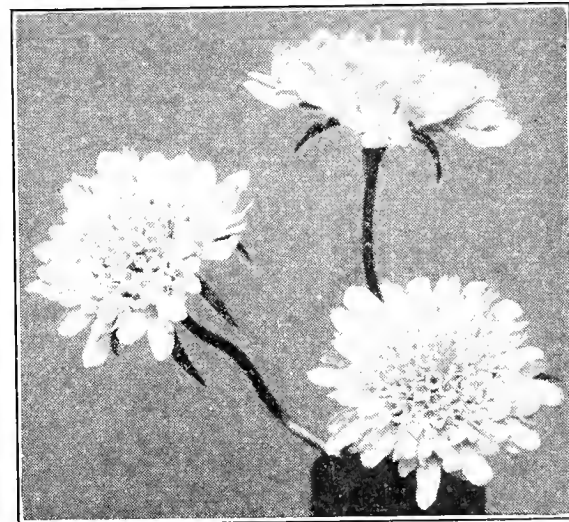


All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c—7 for 50c

		Pkt.	¼ Oz.
713	<b>PHYSOSTEGIA</b> —False Dragon Head. One of the prettiest hardy perennials producing tall, decorative spikes of a delicate shade of orchid. Blooms freely all summer.	10	.75
	<b>PORTULACA</b> (Rose Moss). Select the hottest, sunniest place for this little plant. Forms masses of delicate green foliage covered with bright colored flowers.		
715	Single, Mixed 10c—25c	10	.50
718	<b>RICINUS</b> (Castor Oil Beans). Garden annual of luxuriant growth with large palm-like leaves; very attractive on account of their semi-tropical effect. The colors of the foliage are very rich, ranging from green to deep bronze. Mixed.	10	.15
717	<b>PYRETHRUM ROSEUM</b> . (Painted Daisy). Lacy, fern like foliage, 2 ft. plant with 1-2 ft. spread. Wiry stems with slender petalled daisies 3 in. across, produced in shades of white and pink to deep rose and crimson. Finest mixed.	15	.50
720	<b>SALPIGLOSSIS</b> (Painted Tongue). One of the most attractive annuals about 18 inches high, bearing throughout the season large flowers of many beautiful colors.	10	.25
	<b>SALVIA OR SCARLET SAGE</b> . Is a bedding plant that keeps the garden bright until late in autumn, makes a good pot plant, does well in window boxes, useful for cutting.		
721	<b>Splendens</b> . The old favorite bedding variety, producing during the summer and fall dazzling scarlet flowers in profusion.	10	.60
722	<b>Bonfire</b> . A new dwarf scarlet sage of dense, compact growth.	10	.60
723	<b>Farinacea</b> . Lavender blue flowers.	15	.95
725	<b>SCARLET RUNNER VINE</b> . Rapidly growing annual reaches a height of 15 feet, produces showy scarlet sweet pea-shaped blossoms.	05	.10
726	<b>SCABIOSA</b> (Mourning Bride). A very beautiful plant and a great favorite with gardeners, splendidly adapted for beds, borders and cutting. The flowers are full, fluffy and exquisitely colored and borne on long graceful stems. Mixed.	10	.20
726A	Ageratum Blue	10	.20
726B	Black Prince (Purple)	10	.20
726C	Fiery Scarlet	10	.20
726D	Rose		
726E	Yellow		
728	<b>SCHIZANTHUS</b> (Butterfly Flower). One of our finest annuals, bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of orchids.	10	.35
729	<b>SENSITIVE PLANT</b> . Curious and interesting, pinkish white flowers; the leaves close and droop when touched or shaken.	10	.25
	<b>STOCKS</b> (Gilliflower). Stocks are hardy annuals, indispensable in every garden. For either bedding or pot culture they are desirable. Average height of plants 1½ feet.		
731	Dwarf Ten Weeks—Mixed	10	.35
732	Giant Perfection (Cut-and-Come-Again)—Mixed	15	.85
734	<b>TORENIA</b> . Rich green bushy plants 1 ft. high. Trumpet like, richest blue with contrasting yellow lip and throat.	10	.75
	<b>SWEET WILLIAM</b> . An old favorite hardy garden plant thriving in any good garden soil and lasting for years. Grows about 1 foot high.		
736	Single, Mixed 10c—15c	10	.25
738	<b>TEXAS BLUEBONNET</b> (Lupin's). This is the Texas State flower. Grows wild all over the prairies of Texas.	10	.15
739	<b>THUNBERGIA</b> (Black-eyed Susan). Beautiful, rapid-growing annual climbers, preferring a warm, sunny situation; used extensively for hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes.	10	.40
733	<b>TITHONIA</b> (Mexican Sunflower). Orange vermillion, resembling single African Merigolds, foliage and habit of growth like Dahlias.	10	.75
740	<b>TRITOMA</b> (Red Hot Poker, Torch Lily). Tall spikes of brilliant orange-red flowers, good for hardy border, makes splendid cut flowers.	10	.75
	<b>VERBENA</b> . One of the most popular garden annuals. For beds, borders and window boxes.		
741	Mammoth Purple	10	.50
742	Mammoth Scarlet		
743	Mammoth White	10	.50
744	Mammoth Pink		
745	Mammoth Yellow	10	.50
746	Mammoth Mixed		
748	Buchanan's Collection of Mammoth Verbenas. One packet each of five separate colors.	10	.50
749	<b>VENIDIUM</b> . Large brilliant orange flowers, 3 in. across with black-purple zone at base of ray petals and a dark center.	25	1.25
	<b>VINCA ROSEA</b> (Periwinkle). Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early.		
750	White	10	.35
751	White with Eye		
752	Buchanan's Collection of Vinca. One packet each of three separate colors.		
753	Pink		
754	Mixed		
755	<b>WALLFLOWER</b> . The large spikes are very conspicuous in beds and borders; very useful in making bouquets. Finest mixed.	10	.15



Pyrethrum Roseum (Painted Daisy)



Scabiosa

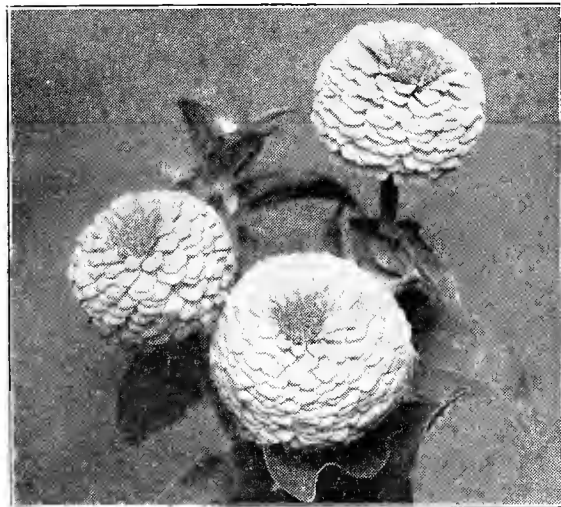


Verbena

**747 BEAUTY OF OXFORD HYBRIDS**—A striking rose-red similar to its parent Beauty of Oxford, but with a softening touch of salmon-pink. It is the finest and brightest rose colored Verbena ever produced from seed. Pkt. 15c, ¼ oz. 75.



California Giant Zinnia



Lilliput Zinnia



Dahlia Flowered Zinnia

## California Giant Zinnias

We have improved this variety to overcome the objectionable feature of the old Giant type; that is, the conical shape, and you will notice in planting these new Giants listed below, that they have smaller centers and more loosely placed petals, while the size of the flower has been notably increased. In presenting the type below, we offer a collection of striking and desirable colors, which can not be surpassed by any flower seed grower anywhere.

The seed may be sown in a hot bed or sunny window and transplanted, or sown later in the open ground. If sown in the open ground in April, thin out as soon as the plants are well up, leaving at least 1½ feet each way, as they are robust growers and require a large amount of space to attain maximum size. The plants come into flower early in the summer and keep on blooming until hard frost.

All Prices on this Page Post Paid				Pkt.	¼ Oz.	1 Oz.
All 10c Pkts. 3 for 25c—7 for 50c						
780	CRIMSON	785	PURPLE.....	.10	.35	1.00
780A	LAVENDER	786	ROSE.....	.10	.35	1.00
781	GOLDEN YELLOW	787	VIOLET.....	.10	.35	1.00
782	FLESH PINK	789	SCARLET.....	.10	.35	1.00
783	CANARY YELLOW	790	BURNT ORANGE...	.10	.35	1.00
784	WHITE	791	SALMON.....	.10	.35	1.00
792	GIANTS OF CALIFORNIA MIXTURE.....			.10	.30	.80
794	Buchanan's Collection of Giant Zinnias. The greatest value ever offered in Zinnia Seed, One packet each of ten separate colors.....			75c		

## DAHLIA FLOWERED ZINNIAS

The Zinnias listed on this page are the finest Zinnias grown by the most reputable grower in the world.

The Zinnias listed on this page are the finest Zinnias grown by the most reputable grower in the world.		Pkt.	¼ Oz.	½ Oz.				
756	<b>GOLDEN STATE.</b> A very rich orange-yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.....	.15	.50	.95				
757	<b>DREAM.</b> A fine deep lavender, turning to purple; a new, desirable shade in Zinnias.....	.15	.50	.95				
758	<b>CRIMSON MONARCH.</b> By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous.....	.15	.50	.95				
759	<b>EXQUISITE.</b> The most pleasing of our collection. Truly Dahlia flowered as regards form and size. Color light rose with center of deep rose.....	.15	.50	.95				
760	<b>ORIOLE.</b> It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.....	.15	.50	.95				
761	<b>OLD ROSE.</b> It is of the real Old Rose shade; it is large, and for charm and beauty we consider it ranks next to Exquisite.....	.15	.50	.95				
762	<b>POLAR BEAR.</b> A very large pure white, the best white yet seen in Zinnias.....	.15	.50	.95				
763	<b>CANARY BIRD.</b> A delicate shade of primrose—very large and holds its color well until out of bloom.....	.15	.50	.95				
764	<b>SCARLET FLAME.</b> A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal.....	.15	.50	.95				
765	<b>SPECIAL GOLD MEDAL MIXTURE.</b> A well blended mixture containing all the above novelties.....	.15	.45	.85				
767	<b>Purple Prince (Purple)</b> .....	.15	.50	.95				
768	<b>Giant Attraction (Brick Red)</b> .....	.15	.50	.95				
769	<b>Meteor (Deep Red)</b> .....	.15	.50	.95				
770	<b>Lemon Beauty (Yellow on Brown)</b> .....	.15	.50	.95				
771	<b>Illumination (Deep Rose)</b> .....	.15	.50	.95				
766	<b>BUCHANAN'S COLLECTION OF DAHLIA FLOWERED ZINNIAS.</b> One packet each of fourteen separate colors.....	1.35						
793	<b>CURLED AND CRESTED.</b> The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Mixed.....	.10	.35	1.00				
795	<b>GIANT PICOTEE.</b> A remarkable new and distinct class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations.....	.10	.35	1.00				
<b>LILLIPUT ZINNIAS</b> form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.								
796A	<b>Lilliput Pink</b>	796	<b>Crimson</b>	797	<b>Mixed</b> .....	.10	.35	1.00
796B	<b>Lemon Yellow</b>	796C	<b>Orange</b>	798	<b>Purple</b> .....	.10	.35	1.00
796D	<b>Salmon Rose</b> .....					.10	.35	1.00



## BUCHANAN'S EVERBLOOMING BUSH ROSES

All two-year field grown vigorous plants.

Set out roses early in the spring in a well prepared bed. The soil must be well drained and well fertilized. Apply fertilizer to the top of the soil. Plant early for the best results. Bloomaid is the perfect rose fertilizer.

### Prices on Bush Roses, Post Paid:

Any Variety—Each, 55c; 3 for \$1.30; 6 for \$2.25; 12 for \$4.25

### PINK BUSH ROSES

- LOS ANGELES**..... Rich, flaming pink shaded with golden yellow at base of petals.  
**PINK COCHET**..... Coral pink with deeper shadings; very large double blooms.  
**BRIARCLIFF**..... Brilliant rose pink, very fragrant; finest large pointed buds.  
**COLUMBIA**..... Vivid silvery pink, sweetly scented and free flowering.  
**J. L. MOCK**..... Bright rich pink faced with carmine; gigantic buds, stiff stems.  
**LADY ASHTOWN**..... Soft solid carmine pink, a most pleasing shade, pointed buds.  
**LA FRANCE**..... Bright pink. Curled petals show silver tints. Intensely fragrant.  
**MRS. CHAS. BELL**..... Shell pink, lovely buds, blooms as freely as Radiance.  
**PAUL NEYRON**..... Clear pink shading to rose. Immense size, very double, fragrant.  
**RADIANCE, PINK**..... Rose pink with silver reflections. Blooms most profusely.  
**MDM. BUTTERFLY**..... Light pink, tinted gold. Of exquisite shape and richly perfumed.  
**WILLOWMERE**..... Rich shrimp pink. Base of petals a pure gold.  
**PINK KILLARNEY**..... Sparkling dark pink. Long pointed bud, immense flowers.

### RED BUSH ROSES

- ETOILE DE FRANCE**..... Bright vivid crimson, cerise centers, heavy bronze green foliage.  
**FRANCIS SCOTT KEY**..... Light crimson. Very large buds, very double flowers.  
**CHAS. K. DOUGLAS**..... Crimson-scarlet. Fine long pointed buds. Unfading color.  
**MARGARET McGREDY**..... Richest scarlet. Gold at base of petals. Continuous bloomer.  
**RED RADIANCE**..... Even clear red. America's most popular rose. Constant bloomer.  
**AMER. BEAUTY**..... Brilliant rose carmine. Immense flowers, delightfully fragrant.  
**NAT'L EMBLEM**..... Dark crimson overlaid with vermilion. Pointed bud, large flower.  
**METEOR**..... Intense velvety crimson, very fragrant, vigorous grower.  
**HADLEY**..... Deep, dark red. Flowers double with well formed buds. Fragrant.

### YELLOW BUSH ROSES

- ALEX. HILL GRAY**..... Deep lemon yellow, high pointed center, one of the best yellows.  
**LUXEMBOURG**..... Apricot yellow shaded orange. Fragrant, exquisitely shaped.  
**JOANNA HILL**..... Soft yellow with gleaming gold heart. Pointed bud.  
**LADY HILLINGDON**..... Saffron yellow. Color deepens daily after being cut.  
**SUNBURST**..... Deep golden yellow of intense shade. A favorite everywhere.

### WHITE BUSH ROSES

- FRAU KARL DRUSCHKI**. Snow white, very large, truly the White American Beauty.  
**K. A. VICTORIA**..... Pure white with creamy tinge at base of petals.  
**WHITE KILLARNEY**..... Exquisitely perfumed double flowers. Unsurpassed white rose.  
**WHITE COCHET**..... Flower pure white, delicately tinted pink. Very fragrant.

### CLIMBING ROSES

Prices, Post Paid: Each, 60c; 3 for \$1.45; 6 for \$2.50

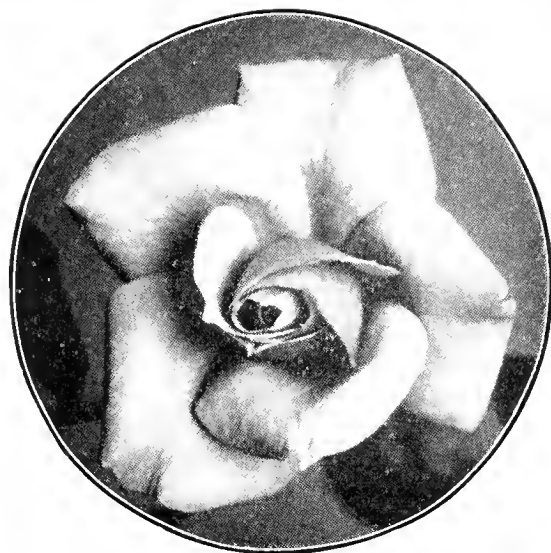
**CAUTION:** Be sure to specify **CLIMBING** in your order.

The following varieties are vigorous and rank growing. They produce a wealth of dark green, glossy foliage and bloom in greatest profusion over a rather prolonged period.

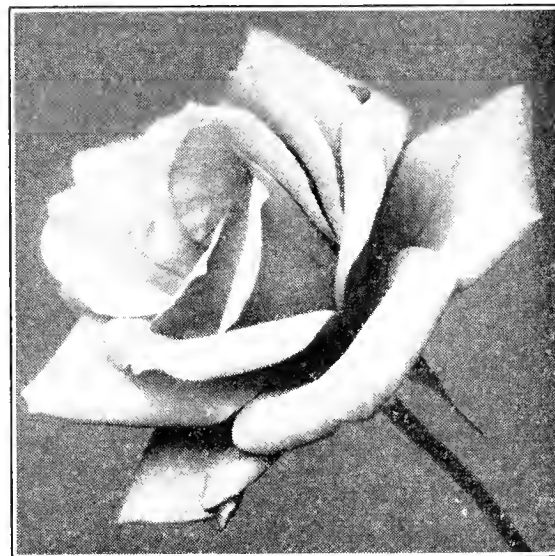
- AMER. BEAUTY**..... Rosy-crimson, large, well-formed, fragrant flowers.  
**PAUL'S SCARLET**..... Vivid scarlet. One of the most popular of all climbers.  
**DR. W. VAN FLEET**..... Delicate flesh pink, rapid growth, entirely satisfactory.  
**MARY WALLACE**..... Vivid, brilliant pink—very hardy.

There has been such a demand for monthly blooming climbing roses that we have decided to offer the following varieties which, for the most part, have been developed from our best monthly blooming bush roses. While they do not bloom continuously like the bush varieties, with the proper pruning, they can be made to bloom periodically throughout the summer and fall.

- EMILY GRAY**..... Unfading golden yellow. Beautiful polished foliage.  
**CL. RED RADIANCE**..... Blossom same as bush type. Unsurpassed red climber.  
**CL. TALISMAN**..... Similar to bush type. A real rose sensation.  
**CL. K. A. VICTORIA**..... Creamy white like the bush rose. Reliable and hardy.  
**CL. LADY ASHTOWN**..... Soft pink, unusually free flowering. Very hardy.  
**MARECHAL NIEL**..... The finest of all yellow climbers. A Southern favorite.  
**CL. PRES. HERBERT**  
**HOOVER**..... Same coloring as bush variety.



Joanna Hill

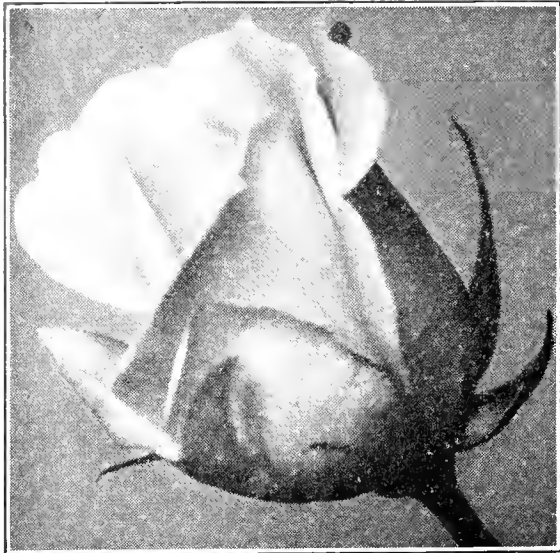


Red Radiance

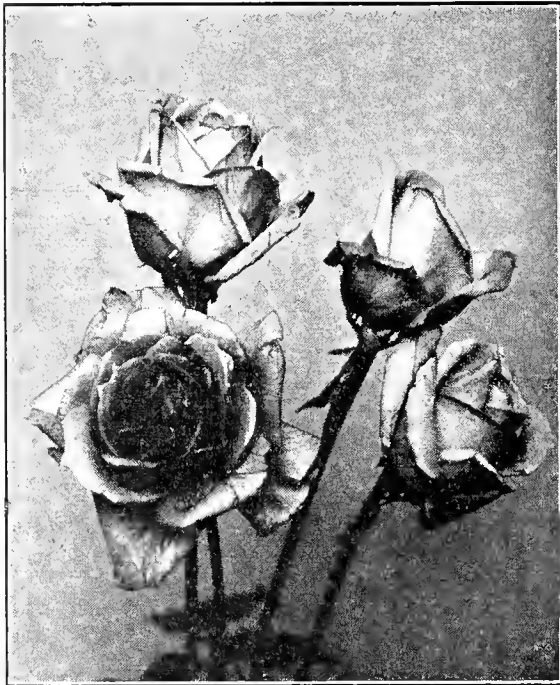


Talisman





Olympiad



Ville de Paris



Climbing American Beauty

## BUCHANAN'S ROSE SENSATIONS

Prices Post Paid: Each, 75c; 3 for \$1.80; 6 for \$3.00

- VILLE DE PARIS**.....Richest yellow. Splendid large buds and flowers; unrivaled by any other color. Vigorous grower and blooms profusely. This rose has no superior.
- MRS. E. P. THOM**.....Bright canary yellow. Slender, well-shaped buds open into full double flowers. One of the most popular yellow roses among rose fanciers.
- REV. F. PAGE ROBERTS**.....Copper red buds of great length, opening to golden yellow blooms stained outside with red. Fully double, very large and fragrant. Ideal in size and color.
- SOUV. CLAUDIUS PERNET**..One of the few yellow roses which holds its deep sunflower yellow color despite the hottest sun. Flowers are large, full and of handsome form. Foliage a brilliant green, with few thorns.
- LADY MARGARET STEWART**.A gold medal winner at the National Rose Society show. Long, pointed buds of deep lemon yellow, veined with orange scarlet as the flower opens. These colors intermingle, forming a beautiful cadmium orange effect, with a very pleasant odor.
- PRES. HERBERT HOOVER**....Of recent introduction. Large flowers, thick petals; in color a blending of pink, flame, scarlet and yellow. Holds color well and is really an outstanding variety.
- BETTY UPRICHARD**.....Copper red bud, opening to large semi-double flowers. Petals are brilliant orange carmine on outside, light salmon pink on inside. Strong growing, persistent blooming and healthy.
- TALISMAN** .....A remarkable blending of gold, apricot, yellow, deep pink and old rose. Buds superbly shaped, opening into a flower of dazzling color to delight the eye. The rose of many gold medals.
- SOUV. GEORGES PERNET**....Very large rose of Oriental red with carmine tips and old gold base. Unsurpassed for form and color.
- HOOSIER BEAUTY**.....Scarlet red. Long, slender buds, flower full and fine. Velvety texture and persistent bloomer.
- OLYMPIAD** .....Oriental red. Its broad petals of flaming scarlet have an undertone of coppery gold. Buds are long and pointed and foliage is disease resistant.
- PADRE** .....A remarkable rose with intense coloring which is a blend of copper and scarlet. Beautiful pointed buds opening into a flower of distinct character.
- SENSATION** .....Long, pointed bud, flower very double. Entrancing scarlet crimson overlaid with glossy maroon. Very fragrant and an exceptional bloomer.
- ETOILE DE HOLLAND**.....A sparkling, brilliant red. Very fragrant, healthy and free flowering. Color holds and doesn't blue, as does other reds.
- MISS ROWENA THOM**.....Enormous buds and blooms of brilliant, satiny rose-pink, shaded with orange flame at center. In the Radiance class and far more refined.
- DAME EDITH HELEN** .....One of the largest and most perfectly shaped pink roses known. A brilliant yet soft pink. Flowers are produced singly on well-foliaged strong canes throughout the season. The most perfumed of all pink roses. A gold medal winner at several flower shows.

## BUCHANAN'S ROSE COLLECTIONS

Get what you want by ordering early. Remember, the more popular varieties sell out first. These bargain collections allow you more Roses for your money as well as the most popular varieties.

Order Rose Collections by number only. It is not necessary to mention the varieties in the collection you order.

## BUCHANAN'S SPECIAL ROSE COLLECTIONS

No. 1—RADIANCE COLLECTION OF 3. \$1.00, Post Paid.

1 Pink Radiance	1 Red Radiance	1 Mrs. Chas. Bell
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No. 2—NEW VARIETY COLLECTION OF 3. \$1.35, Post Paid.

1 Pres. Herbert Hoover	1 Talisman	1 Mrs. E. P. Thom
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No. 3—NEW VARIETY COLLECTION OF 6. \$2.50, Post Paid.

1 Pres. Herbert Hoover	1 Talisman	1 Souv. Claudius Pernet
1 Sensation	1 Ville de Paris	1 Mrs. E. P. Thom

No. 4—OLD RELIABLE COLLECTION OF 6. \$2.35, Post Paid.

1 Red Radiance	1 F. K. Druschki	1 Luxembourg
1 Pink Radiance	1 Lady Hillingdon	1 Sensation

No. 5—BUCHANAN'S SPECIAL COLLECTION OF 12. \$4.65, Post Paid.

1 Betty Uprichard	1 Red Radiance	1 Talisman
1 Lady Ashtown	1 Briarcliff	1 Luxembourg
1 Etoile de Holland	1 Pres. Hoover	1 Pink Radiance
1 Souv. Claudius Pernet	1 K. A. Victoria	1 Sensation

No. 6—COLLECTION OF 4 NEW CLIMBING ROSES. \$1.60, Post Paid.

1 Climbing Talisman	1 Climbing Red Radiance
1 Climbing Emily Grey	1 Climbing Lady Ashtown



## Buchanan's Quantity Price List January 1, 1935



Conditions beyond our control force us to sell for CASH ONLY. Remit by Post Office Money Order, Registered Letter or Check.

All prices quoted in this list are present values and subject to change without notice. We do not, however, expect many changes, and our customers may rely upon receiving the very lowest prices current at the time their orders are received.

**TERMS**—As the prices are NET CASH, a remittance must accompany all orders. These prices are F. O. B. Memphis, sacks included. Freight or express charges must be paid by the purchaser. Read pages 2 and 3 regarding Parcel Post Rates—it is easy to figure parcel post with our map.

**PARCEL POST**—When any items ordered from these prices are to be sent by parcel post, sufficient money must be added to the following prices to pay postage. If more money is sent than the amount of postage, we will return same. Refer to page numbers in catalogue given below for description of seeds quoted.

**R. B. BUCHANAN SEED CO.** give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants, etc., they send out, and will not be in any way responsible for the crop.

**BEANS, BUSH—Green Pod—Bu. 60 lbs. (Page 7)**

	Gal.	Pk.	Bu.
39 Black Valentine.....	\$ 0.90	\$ 1.60	\$ 5.75
40 Burpee's Stringless.....	.90	1.65	5.95
41 Black Valentine (Stringless).....	1.00	1.75	6.00
44 Giant Stringless.....	.90	1.65	5.95
37 Improved E. E. Red Valentine.....	.90	1.65	5.90
38 Tennessee Green Pod.....	.95	1.70	6.00
43 Longfellow.....	.95	1.75	6.00
45 Full Measure.....	.95	1.70	6.00
42 New Stringless or Tender Green.....	.95	1.70	6.00

**BEANS, BUSH—Wax Pod—Bu. 60 lbs. (Page 8)**

	Gal.	Pk.	Bu.
55 Pencil Pod Black Wax.....	\$ 1.10	\$ 1.85	\$ 6.50
60 Round Pod Kidney Wax.....	1.10	1.85	6.50
56 Curries Rust Proof Wax.....	1.10	1.85	6.50
57 Davis' White Kidney Wax.....	1.10	1.85	6.50
58 Improved Golden Wax.....	1.05	1.75	6.35
59 Sure Crop Wax.....	1.05	1.75	6.35

**BEANS, POLE OR RUNNING—Bu. 60 lbs. (Page 8)**

	Gal.	Pk.	Bu.
67 Kentucky Wonder.....	\$ 1.10	\$ 1.95	\$ 7.00
68 White Creaseback.....	1.25	2.00	7.75
66 Scotia or Cornfield.....	1.20	2.00	7.65
71 White Kentucky Wonder.....	1.25	2.00	7.75
72 White or Sou. Cornfield.....	1.25	2.00	7.75
65 McCaslan.....	1.25	2.05	7.75

**BEANS, POLE LIMA—Bu. 60 lbs. (Page 9)**

	Gal.	Pk.	Bu.
78 Carolina or Sieva.....	\$ 1.20	\$ 1.95	\$ 7.00
77 Buchanan's Butter.....	1.10	1.75	7.25
74 Early Jersey.....	1.30	2.25	9.25
79 Calico Lima.....	1.20	2.00	7.75
80 Monstrous Lima.....	1.30	2.25	9.25
75 Large White Lima.....	1.30	2.25	9.25
76 King of Garden.....	1.40	2.25	9.35

**BEANS, FIELD OR SHELL—Bu. 60 lbs. (Page 25)**

	Gal.	Pk.	Bu.
62 Great Northern.....	\$ 0.75	\$ 1.25	\$ 4.25
70 Pinto.....	.80	1.45	5.40
63 Red Kidney.....	.85	1.65	5.75
61 White Navy.....	.75	1.25	4.25

**BEANS, BUSH LIMA—Bu. 60 lbs. (Page 9)**

	Gal.	Pk.	Bu.
49 Henderson's Bush.....	\$ 0.95	\$ 1.75	\$ 6.00
50 Buchanan's Butter.....	.90	1.65	5.90
48 Fordhook Bush.....	1.95	3.90	12.25
46 Jackson Wonder-Bush Calico.....	1.20	2.00	7.75

**TABLE BEETS—(Page 10)**

	1 lb.	5 lbs.	10 lbs.
17 Market Gardener.....	\$ 0.65	\$ 2.75	\$ 4.50
18 Early Wonder.....	.65	2.75	4.50
21 Early Blood Turnip.....	.60	2.70	4.40
24 Crosby's Egyptian.....	.60	2.70	4.40
26 Swiss Chard.....	.50	2.25	4.25
19 Crimson Globe.....	.65	2.75	4.50
20 E. E. Egyptian.....	.65	2.75	4.50
22 E. E. Eclipse.....	.65	2.75	4.50
25 Long Smooth.....	.60	2.70	4.40
23 Detroit Dark Red.....	.70	2.90	5.35

**SUGAR BEETS OR MANGELS—(Page 10)**

	1 lb.	5 lbs.	10 lbs.
30 Mammoth Long Red.....	\$ 0.35	\$ 1.50	\$ 2.50
29 Golden Tankard.....	.30	1.45	2.35
28 Giant Half Sugar Mangel.....	.35	1.50	2.50
36 Klein's Wanzleben.....	.30	1.45	2.35

**CABBAGE—(Pages 12, 13)**

	½ lb.	1 lb.	5 lbs.
86 Early Jersey Wakefield.....	\$ 0.55	\$ 0.90	\$ 4.25
87 Chas. Wakefield.....	.60	1.00	4.50
101 Early Flat Dutch.....	.65	1.10	4.65
91 Succession.....	.55	.90	4.35
93 Late Flat Dutch.....	.65	1.10	4.65
92 Late Drumhead.....	.60	1.00	4.50
84 Golden Acre.....	.90	1.50	6.90
100 Drumhead Savoy.....	.60	1.25	5.40
98 All Head Early.....	.85	1.50	6.90
85 All Seasons.....	.60	1.00	4.50
94 Copenhagen Market.....	.75	1.25	5.50
83 Chinese Cabbage-Pe-tsai.....	.75	1.15	5.25

**CABBAGE PLANTS—Frost Proof—(Page 6)**

	1000	5000	10000
Charleston Wakefield, Early Jersey Wakefield, Early Flat Dutch, prices f. o. b. Memphis..	\$ 1.50	\$ 6.25	\$11.50

**CARROTS—(Page 11)**

	½ lb.	1 lb.	5 lbs.	10 lbs.
103 Oxheart.....	\$ 0.45	\$ 0.80	\$ 3.75	\$ 7.00
105 H. L. Danvers.....	.45	.80	3.75	7.00
106 Imp. Long Orange.....	.45	.75	3.50	6.75
107 Large White Belgian.....	.40	.65	2.75	4.90
104 Early Scarlet Horn.....	.45	.75	3.50	6.75
108 Chantaney.....	.45	.80	3.75	7.00

**COLLARDS—(Page 13)**

	½ lb.	1 lb.	5 lbs.	10 lbs.
127 Georgia White Cabbage.....	\$ 0.25	\$ 0.40	\$ 1.75	\$ 3.25
126 Southern or Blue Stem.....	.25	.40	1.75	3.25

**CORN, GARDEN—(Page 14)**

	½ Gal.	Gal.	Pk.	Bu.
135 Extra Early Adams, Bu. 56 lbs.....	\$ 0.50	\$ 0.95	\$ 1.75	\$ 6.25
134 Golden Bantam, Bu. 45 lbs.....	.75	1.35	2.50	8.75
136 Adam's Large Early, Bu. 56 lbs.....	.45	.85	1.65	5.95
141 Early Surprise, Bu. 56 lbs.....	.30	.50	.85	2.90
140 Country Gentleman, Bu. 45 lbs.....	.80	1.50	2.75	10.25
138 Stowell's Evergreen, Bu. 45 lbs.....	.75	1.40	2.65	10.00
137 Trucker's Favorite, Bu. 56 lbs.....	.25	.40	.75	2.75
132 Whipple's Early (Yellow).....	.75	1.35	2.50	8.75
133 Golden Sunshine, Bu. 45 lbs.....	.70	1.25	2.25	7.75

**CUCUMBERS—(Page 15)**

	½ lb.	1 lb.	5 lbs.	10 lbs.
165 Improved White Spine.....	\$ 0.75	\$ 1.40	\$ 6.75	\$13.00
161 Cumberland Pickle.....	.80	1.50	7.25	14.00
166 Improved Long Green.....	1.00	1.90	9.25	18.00
160 Chicago Pickle.....	.80	1.50	7.25	14.00
164 Early Fortune.....	.75	1.40	6.75	13.00
163 Early Green Cluster.....	.75	1.40	6.75	13.00
170 Everbearing.....	.80	1.50	7.25	14.00
162 Davis Perfect.....	.80	1.50	7.25	14.00
168 Japanese Climbing.....	.75	1.40	6.75	13.00
159 The Vaughan (Longfellow).....	1.10	2.00	9.75	19.00

**EGG PLANT—Endive—(Page 15)**

	½ oz.	Oz.	¼ lb.	1 lb.
183 Black Beauty Egg Plant.....	\$ 0.20	\$ 0.30	\$ 0.80	\$ 2.60
182 New York Improved Purple Egg Plant.....	.20	.35	.90	2.80
175 Broad Leaved Endive.....	.10	.15	.40	1.00
173 Large Green Curled Endive.....	.10	.15	.40	1.00

**KALE—Kohl Rabi—Leek—(Page 15)**

	½ lb.	¾ lb.	1 lb.	5 lbs.
189 Tall Curled Scotch Spring.....	\$ 0.20	\$ 0.30	\$ 0.50	\$ 2.00
187 Dwarf Green Curled Kale (Siberian).....	.20	.30	.45	1.75
178 Early White Kohl Rabi.....	.50	.85	1.50	6.50
180 American Flag Leek.....	.50	.75	1.35	5.75

**LETTUCE—(Page 16)**

	Oz.	¼ lb.	¾ lb.	1 lb.
196 Big Boston.....	\$ 0.15	\$ 0.30	\$ 0.45	\$ 0.80
205 New York or Wonderful.....	.20	.45	.75	1.15
198 Early White Cabbage.....	.15	.35	.55	.90
195 Wavthead.....	.15	.35	.50	.85
204 Early Curled Simpson.....	.15	.40	.65	.95
207 Iceberg.....	.15	.40	.70	1.00
208 Mignonette.....	.15	.40	.70	1.00
292 Grand Rapids.....	.15	.35	.60	.95
203 Paris White Cos.....	.15	.35	.70	1.00
197 Cal. Cream Butter.....	.15	.35	.70	1.00
201 Chicken Lettuce.....	.10	.30	.50	.75

**MUSKMELON OR CANTALOUPE—(Pages 17, 18)**

	¼ lb.	½ lb.	1 lb.	5 lbs.
200 Buchanan's New Rockyford S. F.....	\$ 0.25	\$ 0.40	\$ 0.65	\$ 2.85
221 Pollock's 10-25.....	.25	.40	.65	2.75
222 B. B. Surprise.....	.30	.55	.90	3.95
218 Hearts of Gold.....	.25	.40	.75	3.25
216 Cannonball.....	.25	.40	.75	3.25
212 Mammoth Rockyford.....	.25	.45	.75	3.25
229 Osage.....	.25	.40	.65	2.85
235 Tip Top.....	.25	.45	.75	3.25
226 Honey Dew.....	.30	.50	.90	3.95
219 Rockyford G. F.....	.25	.40	.70	2.90
201 Honey Rock.....	.25	.45	.75	3.25
211 Lake Champlain.....	.25	.40	.65	3.00
214 Banana.....	.25	.45	.75	3.25
220 Superfecto.....	.25	.45	.75	3.25
220A Hale's Best.....	.25	.45	.75	3.25

Please order Seeds by number prefixed to each variety. It saves your time in writing the order and our time in filling it.



## WATERMELONS—(Pages 19, 20, 21)

	1/2 lb.	1 lb.	5 lbs.	10 lbs.
240 Cut Red Watermelon	\$ 0.25	\$ 0.45	\$ 0.30	\$ 3.75
241 Halbert Honey	.20	.35	.50	2.75
242 Kieckhefer's Sweet	.20	.30	.50	2.25
243 Georgia Rattlesnake	.20	.30	.50	2.25
244 Tom Watson	.20	.30	.50	2.25
245 Irish Grey	.20	.30	.50	2.25
246 Ribault	.25	.45	.75	3.25
247 Golden Heart	.20	.30	.50	2.25
248 Imp. Kieckhefer's Sweet	.30	.50	.90	4.25
249 Black Diamond	.20	.30	.45	2.15
250 Globe's Early	.20	.35	.60	2.75
251 Alabama Sweet	.20	.30	.50	2.25
252 Florida Favorite	.20	.30	.50	2.25
253 Wonder	.20	.35	.65	2.75
254 Perfect	.25	.45	.75	3.25
255 Sweetheart	.20	.30	.50	2.25
256 Thurmond	.20	.30	.50	2.25
257 Stone	.20	.30	.50	2.25
258A Cuba or Dixie	.40	.75	1.35	6.25

## OKRA—(Page 23)

	1/2 lb.	1 lb.	5 lbs.	10 lbs.
249 White Velvet	\$ 0.15	\$ 0.20	\$ 0.45	\$ 1.75
250 Dwarf Purple	.15	.25	1.00	1.50
251 Long	.15	.25	1.00	1.50

## MUSTARD—(Page 18)

	1/2 lb.	1 lb.	5 lbs.	10 lbs.
243 Southern Giant Curled	\$ 0.20	\$ 0.35	\$ 1.25	\$ 2.25
243A Southern Giant Curled Long	.25	.45	1.75	2.90
244 Green Leaf	.20	.35	1.25	2.25
245 Green Leaf	.20	.35	1.50	2.50
246 To save Yellow—Spinach	.25	.45	1.75	3.25
246 White	.15	.25	1.00	1.50

## ONION SEED—(Page 13)

	1/2 lb.	1 lb.	5 lbs.	10 lbs.
257 White Globe	\$ 0.85	\$ 1.50	\$ 2.75	
258 Yellow Globe	.90	1.60	2.85	
259 Red Breakfast	.80	1.45	2.50	
260 Red Wagon Wheel	.75	1.30	2.25	
262 White Bermuda Wax	.75	1.25	2.30	
263 Yellow Bermuda	.70	1.20	2.25	
264 White Breakfast	.80	1.40	1.95	
266 Large White Foreign	.75	1.25	2.25	
267 Red Globe	.75	1.25	2.25	
268 Prizefighter	.60	1.00	1.90	

## ONION SETS—(Page 24)

	Gal.	Pk.	Bu.
267 White Velvet	\$ 0.70	\$ 1.25	\$ 4.25
268 Red Velvet			
269 Yellow Giant	.90	1.40	3.40
270 White Triumph	.70	1.15	3.75
White Satin, B. 28 lbs.	.50	.95	2.25

## ONION PLANTS—Bermuda—(Page 31)

	1000	5000
Crysal White Bermuda Wax Plants	\$ 0.75	\$ 3.95
Yellow or Straw Colored Bermuda Plants	.75	3.95

## PARSLEY—PARSNIP—(Page 23)

	1/2 lb.	1 lb.	5 lbs.	10 lbs.
276 Plain or Single	\$ 0.20	\$ 0.35	\$ 0.60	\$ 2.50
277 Champion Moss Curled Parsley	.20	.35	.60	2.50
280 Sugar or Hollow Crown Parsnip	.20	.30	.50	2.25

## PEAS—English—Smooth—Bu 60 lbs. (Page 24)

	1/2 gal.	Gal.	Pk.	Bu.
281 Early Alaskan	\$ 0.50	\$ 0.90	\$ 1.65	\$ 6.00
288 Alaskan Pod Alaskan	.60	1.15	2.00	7.50
294 Large White Alaskan	.50	.90	1.65	6.00
296 Green and Red	.50	.95	1.75	6.50

## PEAS—English—Wrinkled—Bu 57 lbs. (Page 24)

	1/2 gal.	Gal.	Pk.	Bu.
289 Alderman	\$ 0.60	\$ 1.00	\$ 1.55	\$ 6.75
287 American Wonder	.60	1.15	2.00	7.25
293 Bliss Everbearing	.55	1.00	1.75	6.25
292 Champion of England	.60	1.05	1.85	6.70
292 Lexington	.60	1.15	2.00	7.35
295 Premium Gem	.60	1.05	1.95	7.15
293 Tennessee	.60	1.00	1.85	6.75
401 Queen of the North	.65	1.20	2.25	8.35
294 Thomas Watson	.60	1.15	2.00	7.35
297 Laxton Progress	.60	1.15	2.00	7.35

## PEPPER—(Page 12)

	Oz.	1/2 lb.	1 lb.	5 lbs.	10 lbs.
302 Bell or Bull Nose	\$ 0.20	\$ 0.55	\$ 1.00	\$ 1.75	
303 Chili	.30	.95	1.75	3.25	
307 Harbinger	.25	.75	1.45	2.75	
304 Long Red Cayenne	.20	.60	1.30	1.90	
300 California Wonder	.30	1.00	1.85	3.50	
301 California Wonder	.30	.90	1.60	3.00	
305 Dwarf Wonder	.20	.55	1.00	1.75	
312 Dwarf Wonder	.20	.55	.95	1.80	
308 Red Wonder	.30	.90	1.65	2.50	
306 Habanero	.35	1.00	1.85	3.50	

## PUMPKINS—(Page 16)

	1/2 lb.	1 lb.	5 lbs.	10 lbs.
315 Chassey	\$ 0.45	\$ 0.75	\$ 2.25	\$ 4.25
316 King of Marrows	.50	.85	2.75	7.00
314 Kentucky Wonder	.20	.30	1.20	1.95
313 Japanese	.45	.75	2.25	6.25
320 Large Giant	.20	.35	1.50	2.50
319 Quaker	.20	.30	1.40	2.75
318 Small Sugar	.20	.30	1.40	2.75
317 Penn's Sweet Potato	.45	.70	2.25	6.25
322 Kentucky Cornfield	.15	.25	1.00	1.50

## RADISHES—(Pages 27, 28)

	1/2 lb.	1 lb.	5 lbs.	10 lbs.
339 White Tip	\$ 0.25	\$ 0.40	\$ 1.70	\$ 3.15
338 Scarlet Turnip	.25	.40	1.75	3.20
351 Scarlet Globe	.25	.40	1.75	3.20
344 New Perfect Half White	.25	.45	1.75	3.20
343 Long Scarlet, Short Top	.25	.45	1.75	3.20
346 White for	.25	.45	1.75	3.20
340 Epicure	.25	.45	1.75	3.20
350 French Breakfast	.25	.45	1.75	3.20
347 Crimson Giant	.30	.50	2.00	3.60
352 Cincinnati Market	.25	.45	1.75	3.20
341 Half Long Deep Scarlet	.25	.45	1.75	3.20
345 White Vienna	.25	.45	1.75	3.20
355 Cal. Mammoth White	.30	.50	2.00	3.60
349 Long Black Spanish	.30	.50	2.00	3.75
348 China Rose Winter	.30	.50	2.00	3.75
353 Mixed Spring Radish	.20	.35	1.65	3.00

## SALSIFY—SWISS CHARD—SQUASH—(Page 28)

	1 lb.	1 lb.	1 lb.	5 lbs.
364 Mammoth Sandwich Island Salsify	\$ 0.45	\$ 0.85	\$ 1.50	\$ 7.00
29 Lucullus Swiss Chard	.20	.30	.50	2.35
368 Early White Bush Squash	.20	.35	.60	2.75
372 Giant Yellow Crookneck Squash	.20	.35	.60	2.75
369 Mammoth White Bush Squash	.25	.45	.75	3.10
371 Early Yellow Summer Crookneck	.25	.40	.70	3.00
363 Giant Summer Star Crookneck	.25	.45	.75	3.10
367 Golden Churner	.25	.40	.70	3.25
373 Delicieux	.25	.40	.70	3.00
374 Hubbard	.35	.60	1.00	4.00
270 Goozelli	.25	.45	.75	3.40

## SPINACH—(Page 29)

	1 lb.	5 lbs.	10 lbs.	25 lbs.
359 Bloomsdale Curled Savoy	\$ 0.50	\$ 1.25	\$ 2.00	\$ 4.50
359C Big Hearted Bloomsdale Savoy	.35	1.50	2.50	5.75
357 King of Denmark	.30	1.25	2.00	4.50
359B Savoy Long Standing	.35	1.25	2.25	5.00
361 New Zealand Summer	.50	2.25	3.50	7.50

## TOMATOES—(Page 30)

## STATE CERTIFIED TOMATO SEED

We offer State Certified Marglobe, Brandywine and Pritchard Tomato seed. Grown for us under the supervision and officially sealed in one pound bags by the New Jersey Department of Agriculture. These are certified as to excellence of stock, truthness to type and freedom from disease. Try some of these Certified seed and note their vigor, uniformity of type and heavy yields. We offer State Certified Seed of the above mentioned varieties only until sold out. See complete descriptions of these varieties on page 30 of our 1935 Catalogue. Oz., 45c; 1 lb., \$1.50; 5 lbs., \$2.50; 10 lbs., \$4.25.

	Oz.	1/2 lb.	1 lb.	1 lb.
375 Acme	\$ 0.25	\$ 0.45	\$ 1.30	\$ 2.40
377 Bonsteak	.35	1.00	1.90	3.25
389 Early Detroit	.25	.80	1.50	2.75
384 Ponderosa	.35	.90	1.60	2.95
388 Livingston's Globe (Selected)	.25	.80	1.50	2.75
294 Gulf State Market	.25	.80	1.50	2.75
285 Norton's Wilt Resistant	.25	.55	.95	1.75
391 Buck Brand	.25	.80	1.50	2.75
378 Bartholomew	.20	.50	.90	1.75
393 Marglobe	.25	.60	1.00	1.80
382 New Stone	.20	.50	.90	1.70
397 Brimmer	.70	1.15	2.00	3.85
387 Break-O-Day	.25	.80	1.50	2.75
387A Oxheart	.40	1.25	2.25	4.25
390 Pritchard or Scarlet Topper	.25	.75	1.25	2.25

## TURNIP SEED—(Page 31)

	1/2 lb.	1 lb.	5 lbs.	10 lbs.	25 lbs.
402 American Red Top Globe	\$ 0.30	\$ 0.50	\$ 2.00	\$ 3.75	\$ 8.75
401 Mammoth Purple Top Globe	.25	.40	1.75	3.25	7.50
395 Large White Globe	.25	.40	1.75	3.25	7.50
399 Purple Top Short Leaf	.25	.40	1.75	3.25	7.50
400 Seven Top	.15	.25	1.00	1.80	4.00
403 White Flat Dutch	.25	.40	1.50	2.75	6.25
404 Southern Prize	.20	.35	1.50	2.50	5.50
405 Buchanan's Mixture	.20	.35	1.50	2.50	5.50
406 Extra Early White	.25	.40	1.75	3.25	7.50
411 Yellow Aberdeen	.25	.40	1.75	3.25	7.50
413 Amber Globe	.25	.40	1.75	3.25	7.50
418 Rutabaga (Lap. T.)	.25	.45	2.00	3.50	8.00
408 Jan Shagreen	.25	.60	2.50	4.50	10.50

## FIELD SEEDS

SEED CORNS—(Hand Selected).  
See description on pages 53, 54.

	Pk.	1/2 Bu.	1 Bu.	2 Bu.
1124 Buchanan's Paymaster (Type)	\$ 0.70	\$ 1.25	\$ 2.35	\$ 4.50
1125 Penn. White Red Cob (Type)	.70	1.25	2.35	4.50
1128 Champ, White Dent (Type)	.70	1.25	2.35	4.50
1136 Mosby's Prolife (Type)	.70	1.25	2.35	4.50
1137 North Carolina (Type)	.70	1.25	2.35	4.50
1122 Hickory King (Type)	.75	1.35	2.50	4.75
1134 Big Mexican June (Type)	.75	1.35	2.50	4.75
1143 Early White June (Type)	.75	1.35	2.50	4.75
1129 Silver Mine (Type)	.65	1.20	2.25	4.25
1130 Wisconsin White Dent (Type)	.65	1.20	2.25	4.25
Yellow Varieties				
1144 Jarvis Golden Prolife (Type)	.70	1.25	2.35	4.50
1139 Tennessee Yellow Dent (Type)	.70	1.25	2.35	4.50
1141 Gold Mine (Type)	.65	1.20	2.25	4.25
1112 Red & Yellow Dent (Type)	.65	1.20	2.25	4.25



COTTON SEED—(Pages 55, 56, 57)

	100 lbs.	500 lbs.	Ton
1151 Acala.....	\$ 4.75	\$22.50	\$55.00
1151 Wannamaker-Cleveland.....	4.75	22.50	55.00
1152 Half and Half.....	4.50	21.25	50.00
1162 Delta & Pine Land No. 10.....	4.75	22.50	55.00
1152 Delta & Pine Land No. 11.....	4.75	22.50	55.00
1160 Miss. Del. No. 3.....	4.75	22.50	55.00
1161 Miss. Del. No. 4.....	4.75	22.50	55.00
1159 Rowden 40.....	4.75	22.50	55.00
1163 Wilson Big Boll.....	5.00	22.75	57.50

ALFALFA AND CLOVER SEED—(Pages 58, 59)

Write for our special 20-page booklet, "How to Grow Alfalfa."

	10 lbs.	15 lbs.	60 lbs.	100 lbs.
1050 Alfalfa (Buck Brand).....	\$ 2.40	\$ 3.45	\$13.25	\$21.00
1068 Bee Hive (Verified Utah).....	3.16	4.50	17.40	23.00
1049 Alfalfa (Hardy Northwestern).....	2.90	4.20	16.00	20.00
1051 Alfalfa (Dakota).....	3.40	4.95	19.25	24.00
State Certified Kansas.....	2.70	3.90	15.00	24.00
1067 Alfalfa (Hardy Utah).....	3.10	4.50	17.40	23.00
1053 Red Clover (Buck Brand).....	3.10	4.50	17.40	23.00
1054 Red Clover (Mammoth).....	3.20	4.65	18.00	23.00
1055 Clover (Alsike).....	3.25	4.75	18.00	23.00
1057 Clover—W. B. (Sweet M. A.).....	1.60	2.10	7.75	12.00
1056 Clover (White Dutch).....	3.25	4.75	18.00	23.00
1066 Hop Clover.....	2.90	4.25	16.25	20.00

LESPEDeza—(Page 60)

	10 lbs.	Bu.	50 lbs.	100 lbs.
1079 Korcan—Bu. 25 lbs.....	\$ 1.10	\$ 2.50	\$ 4.50	\$ 8.50
1080 Kobe—Bu. 25 lbs.....	1.35	3.15	5.50	10.00
1078 Tennessee 76—Bu. 25 lbs.....	1.40	3.25	6.00	11.00
1061 Lespedeza Common—Bu. 25 lbs.....	1.35	3.15	5.50	10.00
1077 Scircea Lespedeza—Scarified—Bu. 60 lbs.....	2.30	12.50	.....	20.00

BUCK BRAND GRASS SEED—(Pages 61, 62, 63)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1100 Bermuda, Bu. 40 lbs.....	\$ 2.30	\$ 6.00	\$11.50	\$22.00
1101 Red Top, Bu. 40 lbs.....	2.20	5.00	9.50	18.00
1103 Kentucky Blue, Bu. 19 lbs.....	3.00	7.25	14.00	27.00
1194 Orchard, Bu. 14 lbs.....	2.10	5.00	9.50	18.00
1106 Carpet, Bu. 14 lbs.....	1.70	4.00	7.50	14.00
1107 Rye Grass, Bu. 24 lbs.....	1.25	3.00	5.50	10.00
1108 Timothy, Bu. 45 lbs.....	2.70	7.25	12.50	24.00
1105 Dallas Grass, Bu. 10 lbs.....	2.00	4.75	9.00	17.00
1123 Poa-Trivialis, Bu. 14 lbs.....	2.99	7.00	13.50	26.00
1111 Sudan, Bu. 40 lbs.....	1.60	3.75	7.00	13.00

BUCK BRAND PASTURE MIXTURES—(Page 63)

	10 lbs.	15 lbs.	50 lbs.	100 lbs.
1112 Shady Pasture No. 1.....	\$ 1.99	\$ 2.70	\$ 8.50	\$16.00
1113 Upland Pasture No. 2.....	1.99	2.70	8.50	16.00
1114 Lowland Pasture No. 3.....	2.20	3.15	10.00	19.00
1115 Permanent Meadow No. 4.....	2.20	3.15	10.00	19.00
1116 Permanent Hog Pasture No. 5.....	1.90	2.70	8.50	16.00
1117 Permanent Lawn.....	2.60	3.75	12.00	23.00
1118 Shady Lawn.....	2.80	3.90	13.00	25.00

POTATOES—IRISH—Bu. 60 lbs. (Page 22)

	Pk.	Bu.	100 lbs.
323 Red Triumph State (Certified).....	\$ 0.70	\$ 2.10	\$ 3.25
322 Irish Cobbler State (Certified).....	.65	1.95	2.50
326 Lookout Mountain.....	Write for Prices		
Jersey Redskin.....			

POTATOES—SEED SWEET—(Page 22)

Sold only in 1-Bu. Hampers, about 45 to 50 lbs.

	1	5
	Hamper	Hampers
334 Nancy Hall—State Certified.....	\$ 2.00	\$ 8.75
335 Porto Rico—State Certified.....	2.25	10.00

POTATO SLIPS—Sweet, State Certified—

Shipped direct from our growers by Express only. Plants ready April 1st. Catalogue Page 6.

	500	1000	5000
Certified Nancy Hall Plants.....	Write for Prices		
Certified Porto Rican Plants.....			

POPCORN SEED—(Page 53)

	1 lb.	10 lbs.	25 lbs.	100 lbs.
34 Yellow Dynamite.....	\$ 0.17	\$ 1.60	\$ 3.75	\$14.00
31 Japanese Rice (Hullless).....	.15	1.20	2.75	10.00
32 White Rice.....	.15	1.20	2.75	10.00

PEANUTS—Bu. 22 lbs. (Page 67)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1177 Peanuts (Spanish).....	\$ 1.60	\$ 2.50	\$ 4.50	\$ 8.00
1178 Peanuts (Tennessee Red).....	1.20	2.75	5.00	9.00
1180 Peanuts (Valencia).....	1.00	2.50	4.50	8.00
1179 Peanuts (Virginia White Jumbo).....	1.20	2.75	5.00	9.00

VETCH—Bu. 60 lbs. (Page 69)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1176 Vetch (Sandy or Hairy Type).....	\$ 1.50	\$ 3.50	\$ 6.50	\$12.50
1155 Vetch (Spring Type).....	1.20	2.75	4.95	9.00

MILLET—Bu. 50 lbs. (Page 66)

	15 lbs.	25 lbs.	50 lbs.	100 lbs.
1185 German or Golden.....	\$ 1.65	\$ 2.50	\$ 4.50	\$ 8.00
1188 Pearl or Cat Tail.....	1.95	3.00	5.50	10.00
1187 Jap Barnyard.....	1.50	2.75	4.75	8.50

CANE, SAGRAIN, KAFFIR, MILO, ETC.—Bu. 50 lbs. (Page 67)

SPECIAL NOTICE—We have selected our Syrup Cane seed from the very best source, but it is humanly impossible to guarantee a syrup crop.

	10 lbs.	50 lbs.	100 lbs.
1194 Cane, Honey Drip Syrup (type).....	\$ 1.10	\$ 5.00	\$ 9.00
1195 Cane, Seeded Ribbon (type) For Ensilage.....	1.00	4.50	8.00
1197 Cane, Orange (type) For Fodder.....	1.00	4.50	8.00
1198 Cane, Amber (type) For Fodder.....	1.00	4.50	8.00
1199 Cane, Red Top (type) For Fodder.....	1.00	4.50	8.00
Grain Sorghums (Non-Saccharine Type)			
1212 Sagrain (type).....	1.00	4.50	8.00
1210 Kaffir (White type).....	.90	4.00	7.00
1211 Kaffir (Red type).....	.90	4.00	7.00
1213 Milo Maize (Yellow type).....	.90	4.00	7.00
1214 Feterita (type).....	1.00	4.50	8.00
1216 Egyptian Wheat or Shalla (type).....	1.45	6.50	12.00
1209 Grohoma (type).....	.90	4.00	7.00
1215 Hegari (type).....	.90	4.00	7.00

LEGUME-AID INOCULATION—(Page 86)

Living bacteria in a base of relative low moisture content which adheres to dry seed without the use of water. Recommended because of its ease of application.

(For small seed—Alfalfa and all Clovers including Lespedeza, hulled and unhulled.)

Size	Inoculates	Price
1/2 bu.....	30 lbs. seed	\$ 0.30
1 bu.....	60 lbs. seed	.50
2 1/2 bu.....	150 lbs. seed	1.00
For large seed—Garden Beans and Peas, Stock Peas, Vetch and Soy Beans.		
Size	Inoculates	Price
1 bu.....	60 lbs. seed	\$ 0.30
2 bu.....	120 lbs. seed	.50
5 bu.....	300 lbs. seed	1.00
10 bu. for Soy Beans only.....	600 lbs. seed	1.75

When Ordering, ALWAYS state kind of seed. Write for quantity prices.

NITRAGIN—INOCULATION—(Page 86)

ALFALFA, ALE CLOVERS  
Culture Group "A"—Alfalfa, all Sweet Clovers, Hubam and Bur Clover.  
Culture Group "B"—Clovers—Red, Mammoth Red, Alsike, Crimson, White.  
Culture Group "L"—Lespedeza—All varieties—1 bu. size inoculates 60 lbs seed, hulled or unhulled.

Size	Inoculates	Ship. Wt.	Price
1/2 bu.....	30 lbs. seed	5 oz.	\$ 0.35
1 bu.....	60 lbs. seed	9 oz.	.65
2 1/2 bu.....	150 lbs. seed	35 oz.	1.40

When Ordering, ALWAYS state kind of seed.

SOY BEANS, COW PEAS

Culture Group "S"—Soy Beans (all varieties).  
Culture Group "E"—Cow Peas, Peanuts, Velvet Beans, Kudzu.  
Size Inoculates Ship. Wt. Price  
1 bu..... 60 lbs. seed 5 oz. \$ 0.35  
2 bu..... 120 lbs. seed 9 oz. .65  
5 bu..... 300 lbs. seed 20 oz. 1.40  
10 bu..... 600 lbs. seed 35 oz. 2.45  
When Ordering, ALWAYS state kind of seed.

PEAS, VETCH, AUSTRIAN WINTER PEAS AND BEANS

Culture Group "C"—Field and Garden Peas, Vetch, (Hairy, Spring Wild), Broad Beans, Sweet Peas, Perennial Peas and Lentils.  
Culture Group "D"—Field and Garden Beans (including Navy, Kidney and Scarlet Runner Beans).  
Size Inoculates Ship. Wt. Price  
1/2 bu..... 30 lbs. seed 5 oz. \$ 0.35  
1 bu..... 60 lbs. seed 9 oz. .59  
1 1/2 bu. Vetch and Austrian Peas only..... 100 lbs. seed 14 oz. .80  
5 bu..... 300 lbs. seed 35 oz. 2.25  
When Ordering, ALWAYS state kind of seed.

FIELD PEAS AND TABLE PEAS—Bu. 60 lbs. (Page 25)

	Pk.	Bu.	2 1/2 bu.	5 bu.
1235 Whippoorwill.....	\$ 0.85	\$ 2.75	@2.65	@2.60
1238 New Era.....	.80	2.65	@ 2.55	@ 2.50
1239 Black (Running).....	.99	2.95	@ 2.85	@ 2.80
1236 Clay (Running).....	.85	2.75	@ 2.65	@ 2.60
1240 Red Ripper (Running).....	.90	2.95	@ 2.85	@ 2.80
1237 Mixed.....	.70	2.40	@ 2.30	@ 2.25
Prices on Peas and Beans constantly changing. Write for prices when ready to buy.				
Table Peas				
	Gal.	Pk.	Bu.	5 Bu.
1241 Cream Crowder.....	\$ 1.60	\$ 1.90	\$ 6.90	.....
1242 Rice or Cream.....	1.20	2.00	7.25	.....
1243 Extra Early Blackeye.....	1.00	1.75	6.00	.....
1244 White Browneye, Purple Hull.....	1.60	1.75	6.00	.....
1245 White Blackeye (Large).....	.85	1.45	5.00	@\$1.90
1246 Gallivant or Lady.....	1.00	1.90	6.90	.....

SOY BEANS, VELVET BEANS, MUNG BEANS—Bu. 60 lbs. (Page 64)

	Pk.	Bu.	2 1/2 Bu.	5 Bu.
1224 Soy Beans (Biloxi).....	\$ 1.00	\$ 3.65	@\$3.55	@\$3.50
1225 Soy Beans (Laredo).....	1.25	4.00	@ 3.95	@ 3.90
1226 Soy Beans (Ootootan).....	2.35	8.00	.....	.....
1227 Soy Beans (Mammoth Yellow).....	.90	2.90	@ 2.80	@ 2.75
1230 Soy Beans (Virginia).....	.80	2.65	@ 2.55	@ 2.50
1228 Velvet Beans (Early Speckled).....	.75	2.40	@ 2.30	@ 2.25
1229 Mung Beans.....	1.90	6.00	@ 5.90	@ 5.85
1223 Mammoth Brown.....	.75	2.40	@ 2.30	@ 2.25
1232 Tokayo.....	.70	2.30	@ 2.20	@ 2.15

SEED OATS—Oats 32 lbs. to Bu. (Page 69)

	1 Bu.	5 Bu.	25 Bu.
1275 Oats (Appler Type).....	\$ 1.25	@\$1.20	@\$1.10
1276 Oats (Early Burt Type).....	1.20	@ 1.15	@ 1.05
1279 Oats (Fulghum Type).....	1.25	@ 1.20	@ 1.10
1280 Oats (Red Rust Proof Type).....	1.10	@ 1.05	@ 1.00
1281 Oats (Kanota Type).....	1.25	@ 1.20	@ 1.10



## BUCK BRAND TESTED SEEDS

## MISCELLANEOUS SEEDS—(Pages 68, 69)

	10 lbs.	Bu.	100 lbs.
1063 Rape (Dwarf Essex), Bu. 50 lbs.	\$ 0.90	\$ 3.50	\$ 6.25
1261 Broom Corn (Dwarf), Bu. 48 lbs.	1.70	6.95	14.00
1269 Buckwheat (Silver Hull), Bu. 50 lbs.	.75	2.50	4.75
1285 Sunflower (Russian), Bu. 25 lbs.	1.00	2.00	6.00
1270 Broom Corn (Tall)	1.40	6.20	12.00
1284 Crotalaria, Bu. 50 lbs.	2.25	9.50	15.00

## BUCHANAN'S BIRD SEED IN BULK—(Page 78)

	5 lbs.	10 lbs.	25 lbs.
Buchanan's Mixed Canary Seed	\$ 0.50	\$ 0.90	\$ 2.00
Sunflower Seed	.50	.90	2.00
Bird Hemp	.50	.85	1.90
Bird Millet	.50	.90	1.95
Bird Rape	.50	.90	1.95
Main Canary	.50	.90	2.00
Bird Thistle	.95	1.80	...
Bird Poppy	.95	1.80	...
Bird Lettuce	.90	1.65	...
Cuttle Fish Bone—1 lb., \$9.00	2.75	...	...

## DOG FEEDS—(Page 81)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Peerless Dog Ration	\$ 0.75	\$ 1.35	\$ 2.50	\$ 4.75
Peerless Dog Cake (Quaker)	.85	1.50	2.75	5.00

## CANNED MEATS FOR DOGS OR PUPPIES—(Page 78)

	12-1 lb. Cans.	Case, 48 Cans.
Ken-L-Ration	\$ 1.20	\$ 4.50
Pup-L-Ration	1.40	5.35
Ken-L-Ration	1.40	5.35
Hem-O-Ration	1.40	5.35

## BUCHANAN'S FERTILIZERS—(Page 15)

	100 lbs.	500 lbs.	Ton
Buchanan's Truck Grower—4-8-4	\$ 1.60	\$ 7.50	\$29.50
Buchanan's Cotton Grower—5-10-3	1.75	8.25	32.00
Buchanan's Acid Phosphate, 16%	1.25	5.75	21.50
Super Phosphate 20%	1.35	6.25	24.50
Buchanan's Steam Bone Meal	2.25	10.00	35.00
Nitrate of Soda	2.25	10.00	39.00
Buchanan's Sheep Manure	1.95	8.75	33.00
Buchanan's Sulphate of Ammonia	2.25	10.50	40.00
Buchanan's Muriate of Potash, 48%	2.75	13.00	49.00
Buchanan's Agricultural Lime (Powdery)	1.30	4.75	18.00
Bloom Aid 25-lb. Bag \$1.50	2.00	72.00	...
Farway 25-lb. Bag \$1.50	2.00	72.00	...
Vigoro 25-lb. Bag \$1.50, 50-lb. \$2.50	4.00	72.00	...
Granulated Pear Moss, 140-lb., Per Bale \$9.00	...	...	...

## POULTRY, PIGEON AND RABBIT FEED

	25 lbs.	50 lbs.	100 lbs.
Buchanan's Buttermilk Chick Starter	\$ 0.95	\$ 1.75	\$ 3.50
Buchanan's Buttermilk Growing Mash	.85	1.65	3.15
Buchanan's Chick Grain	.85	1.65	3.15
Buchanan's Scratch Feed	.75	1.45	2.90
Buchanan's Laying Mash	.85	1.65	3.15
Buchanan's Rabbit Feed	1.00	1.85	3.60
Conkey's Buttermilk Chick Starter	1.00	2.00	3.90
Conkey's Buttermilk Growing Mash	.85	1.65	3.30
Conkey's Hen Laying Mash (Red Seal)	.90	1.70	3.55

## OYSTER SHELL—POULTRY GRIT

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Bone Meal, Chick or Hen Size	\$ 0.40	\$ 0.90	\$ 1.80	\$ 3.45
Charcoal, Chick or Hen Size	.50	.75	1.25	2.35
Grit, Chick or Hen Size	.25	.45	.90	1.90
Oyster Shell, Chick or Hen Size	.25	.45	.90	1.90
Red Cross Pigeon Grit	.40	.85	1.55	2.95

## SEED SOWERS—(Page 84)

	Each
Cyclone (Hand Seeder)	\$ 2.00
Cahoon (Hand Seeder)	.75
Wheelbarrow Seeder (No. 3, 12 feet)	15.00

## MISCELLANEOUS FEED

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Beef or Meat Scraps	\$ 0.81	\$ 0.75	\$ 1.25	\$ 2.25
Digester Tankage	.35	.70	1.20	2.20
Poultry Litter—Per Bale (140 lb. Bale) \$8.50	...	...	...	...

## BAT AND MOUSE DESTROYER—(Page 79)

	Box 25c	Carton, 14 Boxes
Mouse Seed	\$3.00	...
K-Rat-O (For Rats)	Box 75c and \$2.00	...
Red Cross Embalmer	Box 25c and 50c	...
\$1000.00 Destroyer	Box 35c and 65c	...
Rat Snap	Box 35c, 65c and \$1.00	...
Topzol Rat Baits	Pkg. 15c	Carton 12 Pkgs. \$1.40
Sansseed—Kills Mice	Pkg. 15c	Carton 12 Pkgs. \$1.40

## FLY, ANT AND ROACH KILLERS

	1 Bottle	1 Dozen
Terro Ant Killer	\$ 0.25	\$ 1.35
Acme Ant Killer	1 Set	3.00
Antrol	1 Set	2.75

## HUDSON SPRAY PUMPS—(Pages 70, 71)

	Each
665 Major Duster	\$ 1.25
663 Cadet Duster	.50
202 Midget Sprayer	.25
452 Misty Sprayer	.40
452B Misty Sprayer (Copper)	.75
432 Continuous (Heavy Tin)	.75
432E Continuous Copper Tank	1.25
435 Cardinal Galvanized Tank	1.50
454 Barrel Pump (No Equipment)	.975

## HUDSON SPRAY PUMPS—Continued

	Each
1206 Thrift Galv. Compressed Air Sprayer, Capacity 2 1/2 gals.	\$ 3.75
128 Mohawk Bucket Sprayer—3 feet of hose, 1 ft. rod	3.75
147G Du-More Galvanized Continuous High Pressure Sprayer (Knap Sack Type), Capacity 4 gals.	11.75
147B Du-More Same as above except has copper tank	17.50
612 Patrol Duster Powder Reservoir, Capacity 1 quart	1.25
Any Mason Jar can be used for Reservoir	
45A Barrel Pump (With Discharge Equipment—Spray Hose, Nozzle and Angle Nozzle)	11.75
132 Trombone Sprayer	3.90
36S Sunshine Wheelbarrow Sprayer	12.45
140G Junior Galv. Compressed Air Sprayer	4.25
140B Junior Copper Compressed Air Sprayer	6.00
110C Perfection Galv. Compressed Air Sprayer	6.00
110B Perfection Copper Compressed Air Sprayer	9.50
34S Ideal Wheelbarrow Sprayer	21.00
35S Ideal Wheelbarrow Sprayer with Pressure Tank	31.00
604 Hudson Crank Duster	13.50
42 Hudson Bamboo Spray Pole (8 ft. long with end of 1/2 inch)	3.75
Hudson Spray Hose, 3/4 inch, (10 ft. or more), per foot	.12
Hudson 5 Ply Spray Hose, 1/2 inch, (10 ft. or more), per foot	.14

## HAND SHEARS—LOPPING SHEARS—PRUNING SAWS—(Page 84)

	Each	Doz.
Snap Cut Hand Pruner	\$ 1.50	@ \$1.40
No. 130 California Pattern Hand Shear	.95	@ .90
Lopping Shears		
No. 15 Medium Weight, 28 in.	2.00	@ 1.95
No. 540S Draw Cut, Extra Long, 29 in.	3.00	@ 2.90
Atkins Pruning Saws		
No. 13 California Pattern, 12 in.	1.25	@ 1.20
No. 20 California Pattern, Narrow Blade, 12 in.	1.00	@ .95

## SPRAY MATERIALS AND INSECTICIDES—(Pages 72 to 79)

	5 Gals.	10 Gals.	15 Gals.	25 Gals.	50 Gals.
Buchanan's Oil Emulsion	\$ 2.25	\$ 4.00	\$ 5.15	\$ 7.00	\$10.00
Lime Sulphur Solution	2.25	4.00	5.15	7.00	10.00
Scalecide—5 Gals., \$5.50; 10 Gals., \$9.50; 15 Gals., \$13.25; 30 Gals., \$21.00; 50-Gal. Barrel, \$29.00.	...	...	...	...	...
		Case	48 lbs.	96 lbs.	
Arsenate of Lead (Packed in 4-lb. Pkgs.)	3.15	\$ 5.95	\$11.50	...	...
Bordeaux Mixture (Packed in 4-lb. Pkgs.)	3.00	6.00	12.00	...	...
Calcium Arsenate (Packed in 4-lb. Pkgs.)	2.50	5.00	8.00	...	...
Dithionite Sulphur for Peaches (Packed in 4-lb. Pkgs.)	2.95	5.00	10.00	...	...
Dithionite Sulphur for Apples (Packed in 4-lb. Pkgs.)	2.95	5.00	10.00	...	...
Sulfuron (Packed in 4-lb. Pkgs.)	2.75	5.00	8.75	...	...
Dutox (Packed in 6-lb. Pkgs.)	4.65	9.15	18.25	...	...
Lime Sulphur Powder (200-lb. Drum)	12 1/2 lbs.	25 lbs.	50 lbs.	100 lbs.	...
\$21.00	\$ 1.50	\$ 3.00	\$ 5.75	\$11.50	...
Bug Death	2.00	3.90	7.60	11.00	...
Calcium Arsenate (100-lb. drum)	10 lbs.	25 lbs.	50 lbs.	100 lbs.	...
Superfine Sulphur	\$ 0.75	\$ 1.50	\$ 2.75	\$ 4.00	...
Cashin Spreader	2.05	3.75	8.75	17.00	...
Blue Stone, Snow Form. (Lowered)	1.15	2.50	4.25	6.50	...
Blue Stone, Crystals	1.00	2.25	4.00	6.25	...
Hydrated Lime for Spraying	.25	.75	1.60	1.10	...
Slug Shot	1.40	3.20	6.00	12.00	...
Tobacco Dust	.60	1.25	2.00	3.85	...
Parachlorobenzene	2.95	6.00	11.00	20.00	...
Fish Oil Soap	2.25	4.50	7.50	11.50	...
Pyrex (Insecticide and Fungicide)	3.00	5.00	7.25	12.50	...
Pyrex Green	3.50	5.00	15.00	28.00	...
Anilide Weed Killer, 15 lb. \$2.50	...	...	6.75	12.50	...
Koppers Floation Sulphur	1.70	...	6.10	12.00	...
Zinc Sulphate, 12-lb. \$1.25	...	2.00	3.50	6.50	...
Ortho Dry Spreader	7.00	5.00	10.00	15.00	...
Black Leaf 40 (Fungicide)	\$ 1.00	\$ 2.25	\$ 3.45	\$ 5.55	\$ 9.45
New Dye Green	\$ 2.40	...	\$12.00	\$50.00	...
Mold	.50	\$ 0.75	2.00	7.50	...
Ethylene Chloride (See also page 6)	1.00	2.00	4.25	23.00	...
Red Arrow Insect Spray	3.25	6.00	17.50	...	...
Shops Plant Spray	1.50	2.25	7.50	...	...
Crowood Oil	...	...	.90	2.50	...
Champion	.50	1.25	6.00	...	...
Breco Dip	.75	1.00	3.75	8.25	...

## DUREX SEED DISINFECTANTS—(Page 80)

	1-lb. tin	5-lb. tin
New Imp. Durex—Dust Disinfectant for Oats, Wheat and Corn	\$ 0.75	\$ 3.60
One-half ounce treats a bushel.		

## PRICES FOR ORESAN

	1-lb. tin	5-lb. tin	100-lb. drum
The Dust Disinfectant for Millet, Sorghums, Peas and Cotton	\$ 0.75	\$12.50	\$144.00
5-lb. tin	3.00	100-lb. drum	49.00

## NEW IMPROVED SEMESAN JR.—for Corn

	4-oz.	5-lb.	100-lb. drum
1-lb.	\$ 0.50	\$ 7.00	\$110.00
1-lb.	1.50	25-lb.	24.75

## NEW IMPROVED SEMESAN BEL—for Potatoes

	4-oz.	5-lb.	100-lb. drum
1-lb.	\$ 0.50	\$ 8.00	\$120.00
1-lb.	1.75	25-lb.	31.25

## SPINESAN—for Vegetables and Flowers

	2-oz.	5-lb.	100-lb. drum
1-lb.	\$ 0.50	\$11.75	...
1-lb.	2.50	25-lb.	46.25

1 ounce treats 15 to 30 pounds of seed.

Mr. Buchanan broadcasts Mon. and Wed. over WREC at 12:30 and WMC Tues. and Thurs. at 12:45.

R. B. BUCHANAN SEED CO.

18 South Front Street

INCORPORATED

MEMPHIS, TENNESSEE



## BUCK BRAND TESTED SEEDS

### BUCHANAN'S GIANT DAHLIAS

Dahlias ready for shipment about March 1. Order on separate order blank.

**CULTURE**—Plant bulbs in hills 3 feet apart any time after danger of frost. Soil must be fertile or heavy fertilization is necessary. Lay bulbs flat and cover with six inches of soil. Dahlias require a great deal of moisture and clean cultivation.

BloomAid is the ideal Dahlia fertilizer.

**982—JERSEY BEAUTY (Decorative)**—Flowers of good size and substance on long stems. Exquisite, luminous pink. Excellent cut flower. 40c each; 3 for \$1.00.

**983—MRS. IDE VER WARNER (Decorative)**—A refined mauve-pink, beautifully formed. Large blooms carried on long, strong stems. A free, continuous bloomer. 30c each; 3 for 75c.

**984—POLAR BEAR (Decorative)**—A pure white of splendid form which will stand the sun. 40c each; 3 for \$1.00.

**985—JANE COWL (Decorative)**—Considered the finest Dahlia introduced to date. The huge, bold flowers are a blend of bronze buff and salmon shades. Of strong, vigorous growth. 50c each; 3 for \$1.35.

**986—CITY OF TRENTON (Decorative)**—An autumn colored Dahlia defying adequate description. The face of petals a rich, glowing tangerine; reverse, crushed strawberry red. The petals curl gracefully, giving a two-toned effect. A large exhibition bloom which can be grown to 12 inches in diameter. 75c each; 3 for \$1.75.

**987—FORT MONMOUTH (Decorative)**—A rich crimson maroon with a hue of bluish violet at tips of petals. The flowers are well formed, full centered and of immense size. 80c each; 3 for \$2.00.

**987A—THE WORLD (Decorative)**—Deep rose magenta, overlaid with garnet. Similar in form and habit of growth to Fort Monmouth. 75c each; 3 for \$1.75.

**988—KATHLEEN NORRIS (Decorative)**—A true rose-pink—a bloom of gigantic proportions, petals broad and overlapping with twisted ends; full, tight center. 95c each; 3 for \$2.50.

**989—JERSEY'S BEACON (Decorative)**—The color is Chinese scarlet with a paler reverse, giving a two-toned effect. Flowers are very large and globular in form. It is a prolific bloomer and vigorous grower. 40c each; 3 for \$1.00.

**990—QUEEN OF GARDEN BEAUTIFUL (Decorative)**—Large, massive flowers on strong, erect stems. The color is a rich, deep yellow of unusual appeal. 75c each; 3 for \$1.75.

**990A—KING MIDAS (Decorative)**—The greatest of all yellow Dahlias. The color is a wonderful, pure, golden yellow, the flowers gigantic, deep, perfectly formed, and terminate on long, stiff, straight stems. A continuous prize winner. 80c each; 3 for \$2.00.

**1000—THOS. A. EDISON (Decorative)**—Dark purple with the sheen of velvet. A strong, vigorous grower of medium height. Free bloomer. \$1.00 each; 3 for \$2.85.

**1001—KENTUCKY (Decorative)**—A brilliant salmon-orange shading to grenadine-pink on outer petals. A thrifty grower and prolific bloomer under all weather conditions. 60c each; 3 for \$1.50.

**1002—J. H. JACKSON (Cactus)**—A perfect, gorgeous, deep, velvety, blackish maroon. Gigantic in size. Every Dahlia lover should grow this variety. 30c each; 3 for 75c.

**1003—COUNTISS OF LONSDALE (Cactus)**—A delicate apricot shading toward the edges of the petals to carmine pink. 30c each; 3 for 75c.

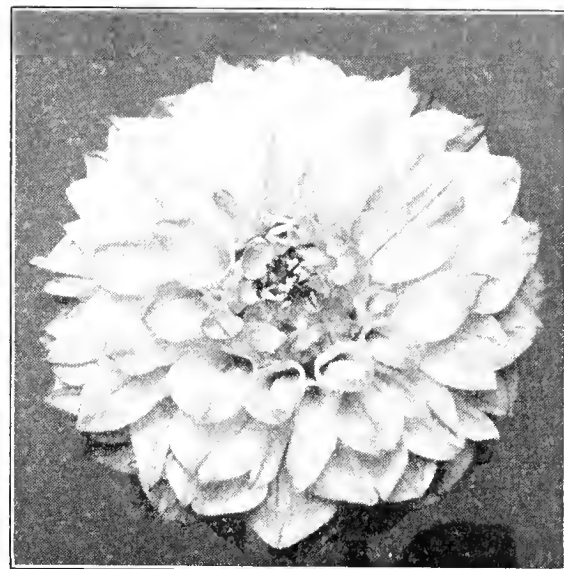
**1004—MAUDE ADAMS (Show)**—A pure snowy white, very effectively overlaid clear delicate pink. 30c each; 3 for 75c.

**1005—GOLDEN ORANGE (Show)**—An appealing variety with fine, well-rounded blooms of a beautiful rich deep golden yellow. 75c each; 3 for \$1.75.

### BUCHANAN'S DAHLIAS UN-NAMED VARIETIES

991—WHITE	995—YELLOW
992—RED	996—PINK
993—PURPLE	997—STRIPED
994—SALMON	998—ORANGE

15c Each; 3 for 40c; 12 for \$1.50



Golden Orange

### POMPOM DAHLIAS

The newest "craze" in Dahlias. Miniature form of Ball or Show type. Small, round flowers, less than 2 inches across, borne in greatest profusion. Especially fine for cut flowers and garden decoration. Dwarf, compact, branching plants. Splendid for edging, bordering and bedding. 25c each; 3 for 65c; 12 for \$2.25.

**1010—Catherine**—Pure yellow.

**1011—Sunbeam**—Brilliant red.

**1012—Snowlad**—Glistening white.

**1013—Little Beauty**—Peach blossom pink.

**1014—Dce Dce**—Clear lilac.

### 1006—POMPOM DAHLIA COLLECTION

One tuber of each of the 5 separate colors listed above for only \$1.00, post paid.



City of Trenton

### 999—BUCHANAN'S DAHLIA COLLECTION

One bulb each of eight separate colors, unnamed varieties, for 95c, Post Paid.

### 1007—SPECIAL DAHLIA OFFER

One each Jersey Beauty, Ide ver Warner, Fort Monmouth, Jane Cowl, Maude Adams, Countiss of Lonsdale, for \$2.25, Post Paid.

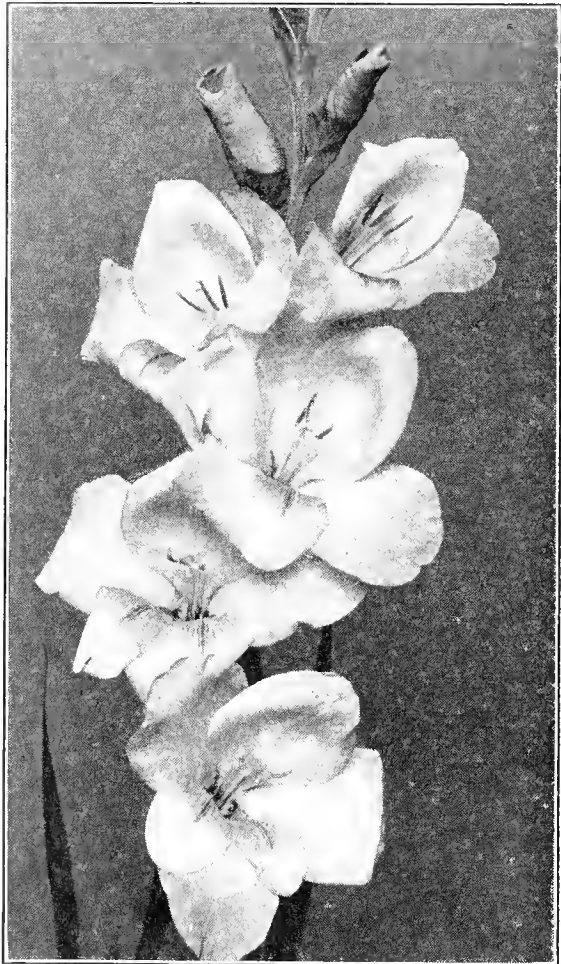




## BUCHANAN'S GLADIOLUS BULBS

**CULTURE**—What a wonderful stride the Gladiolus has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with it has never been known. Gladiolus will grow in any open position, where there is a fair amount of sun, and bloom well. They are not only showy in the garden, but, when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 3 to 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

DAHLIAS READY FOR SHIPMENT ABOUT MARCH 1. ORDER ON SEPARATE ORDER BLANK



Minuet



Dr. F. E. Bennett

All Prices on this Page Post Paid

	3	6	12	100
960 MARIE KUNDERD. Delicate and refined, ruffled white. The best early white.	25	40	.75	4.00
961 BETTY NUTHALL. Magnificent, new, light salmon-pink with pale orange throat and light feathering of carmine. Flowers often 6 inches across, 6 to 8 open at one time, of splendid substance, and well placed on strong, tall spikes.	25	40	.75	4.00
962 MRS. LEON DOUGLAS. Begonia-Rose overlaid with flame and brilliant scarlet. Said to be the largest gladiolus in existence.	20	35	.60	3.50
963 LOS ANGELES. The noted "Cut and come again" variety. Bright pink shading to geranium-pink. A tall rugged growing variety.	15	25	.45	3.00
964 W. H. PHIPPS. Enormous flowers of clear pink, overlaid with salmon-rose. Often 20 flowers open at one time, making this variety wonderful for cut-flower use.	25	40	.75	4.00
965 REMEMBRANCE. Large ruffled salmon-rose, deeper blotch. Vigorous grower.	20	35	.60	3.50
966 GIANT NYMPH. Extra large flowers of exquisite rose-pink with pale gold throats. Vigorous grower and one of the finest varieties.	15	25	.45	2.95
967 DR. NELSON SHOOK. Tyrian rose. Fascinating brilliant American Beauty shade. A most distinctive variety, bearing flowers on large strong spikes.	25	40	.75	4.00
968 PAUL PFITZER. Brilliant sparkling wine-red. Vigorous grower with immense flowers, borne on strong erect spikes. Very showy, creating a sensation in all shows.	30	55	1.00	6.00
969 SCARLET WONDER. Mammoth flowers of clear deep scarlet. One of the most outstanding red varieties.	25	40	.75	4.00
970 DR. F. E. BENNETT. An outstanding Gladiolus. Gorgeous peach-red overlaid with flame scarlet. Throat stippled with ruby and white. Tall spike with many well placed blooms open at one time.	20	35	.60	3.50
971 GOLDEN DREAM. The richest, clearest, pure golden yellow yet introduced. Large flowers, with gracefully recurved petals, well placed on tall, straight stems. Very distinct and beautiful variety.	15	25	.45	3.00
972 GLORIANA. An exquisite shade of softest orange saffron with a deep gold throat. Vigorous grower, strong spikes.	25	40	.75	4.00
973 ORANGE QUEEN. A large flowered primulinus, very deserving of its popularity. A clear glowing orange. Tall strong growing variety.	15	25	.45	3.00
974 MINUET. Magnificent new variety and a blue ribbon winner at every show. Without a doubt the finest clear lavender in existence. Five to six exquisite orchid like flowers open at one time.	30	55	1.00	6.00
975 CHARLES DICKENS. A deep rich shade of royal purple with a deeper color in the throat. Tall vigorous growing plant.	25	45	.80	5.50
976 MRS. VAN KONYNENBURG. A matchless clear blue. Probably the largest blue gladiolus. It is a medium light blue and a vigorous grower.	25	40	.75	4.00

SPECIAL GLADIOLUS OFFER

12 Splendid Varieties for 50c Postpaid

One each of the following: Leon Douglas, Los Angeles, Betty Nuthall, Remembrance, Giant Nymph, Golden Dream, Orange Queen, Dr. F. E. Bennett, Scarlet Wonder, W. H. Phipps, Dr. Nelson Shook, Gloriana.

BUCHANAN'S RAINBOW COLLECTION

A Superb Flower Show in your own Garden

Postpaid to you for a \$1.00 Bill

This unsurpassed Gladiola collection includes one bulb of each variety in the 50c collection and also 3 bulbs of each of the following varieties, which gives you more value for your money than any Gladiola collection we have ever offered.

Marie Kunderd, Minuet, Charles Dickens, Mrs. Van Konynenburg.

All Bulbs listed on this page are delivered transportation paid in the U. S. or possessions. ORDER EARLY.



## Buchanan's Canna Bulbs

No other bedding plant will give the same uniform good results in our varied and trying climate. They do well in all sections of the country and stand pre-eminently at the head of the list, succeeding in any sunny position in any kind of soil, but responding quickly to liberal treatment. For best results the beds should be spaded two feet deep and a generous amount of well-decayed manure of any kind thoroughly incorporated, and at all times supplying water freely. For best effect plant in large masses of one color, setting out the tubers two feet apart.

### All Prices on this Page Post Paid

	Ea.	Doz.	100
950 CITY OF PORTLAND. A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ feet; foliage green.	15	1.35	9.00
951 KING HUMBERT. A brilliant orange-scarlet, with bright red shadings. Large trusses of blooms, the individual flowers being six inches in diameter. Foliage a rich reddish bronze with lighter shadings. The finest red foliage and flowering variety grown. Height 5 feet.	15	1.25	8.00
952 YELLOW KING HUMBERT. A green-leaved sport of the popular King Humbert. It has the same habit of growth and free-flowering qualities, but the flowers are bright yellow and lightly spotted with red. This is the best yellow Canna now on the market.	15	1.25	8.00
953 THE PRESIDENT. Green foliage. Color bright glistening scarlet. The individual florets often measure seven inches across when open. The flowers are borne just high enough above the foliage to show the entire head. Height 5 feet.	15	1.25	8.00
954 HUNGARIA—Rose Pink. 4 ft. Strong grower with green foliage and very large, heavy heads of large flowers borne erect on stout shafts well above foliage. Color is rich rose pink. Considered finest pink and it is the best pure pink in existence.	15	1.35	9.00
955 EUREKA. This variety is the result of many years of careful hybridizing, and is the best white Canna for all purposes. A strong grower, with glossy green foliage. Height 4½ feet.	20	2.00	11.00
956 Buchanan's Collection of Canna Bulbs. One bulb each of six named varieties.			.75c

### Mammoth Caladium Bulbs

These are particularly fine for center of beds, giving a beautiful effect where Cannas and Scarlet Sage are planted on the outside borders. They are only the choicest and most select bulbs, producing the most massive effect with their foliage.

957 Extra Large Bulbs.	.50	1.25	4.00
958 Large Bulbs.	.25	.65	2.50
959 Small Bulbs.	.15	.40	1.25

### Tuberoses

One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. By skillful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about the middle of May, or as soon as the ground becomes warm.

981 Excelsior Double Pearl. Pure white, double-flowering Tuberose.	3	6	Doz.
	.25	.45	.85
980 Armstrong's Ever-Blooming. This variety blooms year after year, and has a fragrance similar to the "Jasmine".	.25	.45	.85

## Buchanan's Imported Bulbs

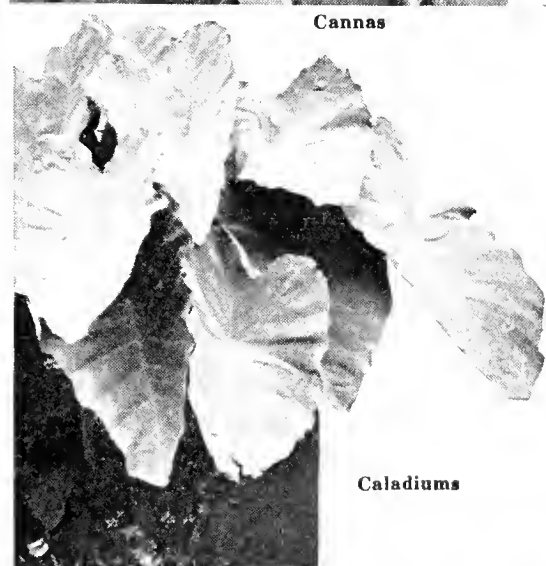
### For Fall Planting

Our imported bulbs—Hyacinths, Tulips, Peonies, Narcissus, Freesia and Crocus—reach us from Holland about Sept. 1st each year and at that time we are ready with a price list on same. Write if interested.

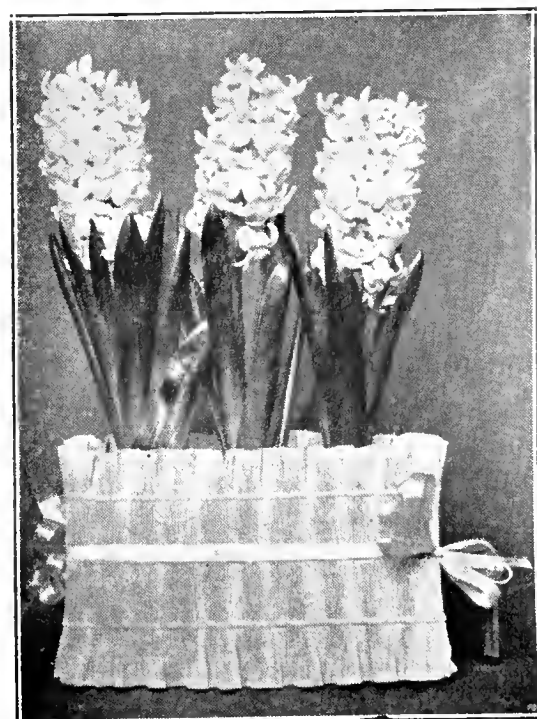
R. B. BUCHANAN SEED CO.



Cannas

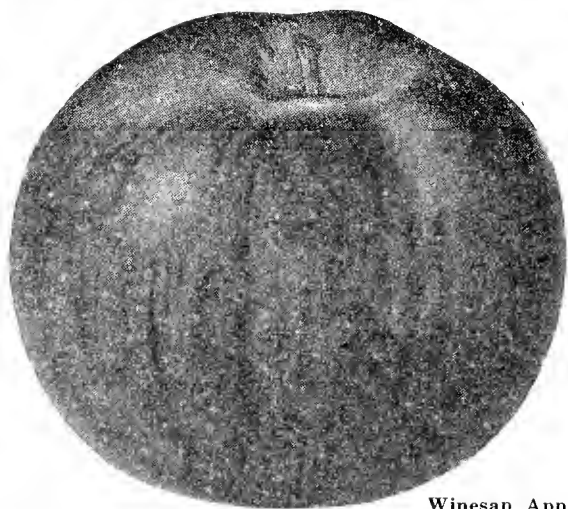


Caladiums

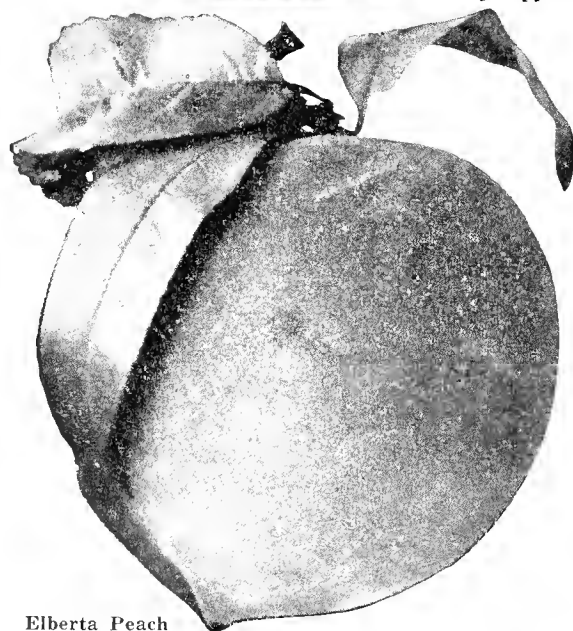


Hyacinths

**SIMMONS SIMPLICITY — FRUIT GRADER AND SIZER — FOR PEACHES OR APPLES**  
 Takes little space in your packing shed. Operated by hand or power. With this machine 4 to 6 men can grade and size 100 bushels of fruit an hour. Will be on the market for 1935 season. Write for description and prices. Patent applied for.  
 R. B. BUCHANAN.



Winesap Apple



Elberta Peach

**Belle of Georgia (Free)**—Very large; white with red cheek; firm and of excellent flavor; uniformly large.

**Early Elberta (Free)** — Very large; flesh yellow, firm, juicy, and of fine flavor.

**Elberta (Free)**—A standard by which all other varieties are judged; very large; yellow with red cheek; flesh yellow, firm, juicy, of high quality.

#### TREES OR PLANTS TO ACRE

Apart each way	Apart each way
3 feet ... 4,840	15 feet ... 200
4 feet ... 2,729	18 feet ... 135
5 feet ... 1,742	20 feet ... 110
6 feet ... 1,200	25 feet ... 70
8 feet ... 680	30 feet ... 50
10 feet ... 430	40 feet ... 27
12 feet ... 325	50 feet ... 17

#### DISTANCES FOR PLANTING

	Feet		Feet
Apples	30 to 40	Figs	15 to 18
Pears	20 to 30	Currants	3 to 4
Peaches	16 to 20	Gooseberries	3 to 4
Cherries	18 to 20	Raspberries	3 to 4
Plums	16 to 20	Blackberries	5 to 7
Grapes	8 to 10	Straw-	
Muscadine	10 to 25	berries	3½ by 1½
		Pecans	60 by 60

#### APPLES

**FIRST CLASS**—4-6 feet, 40c each; 10, \$3.50; 100, \$30.00.

**ORCHARD SIZE**—2-3 feet, sold in multiples of 10—100, \$15.00; 10 for \$2.00.

**Early Harvest**—May and June. Medium size; pale yellow; slightly acid; good quality. Ripens at a season when no other Apple is in.

**Yellow Transparent**—One of the best early market Apples, of medium size; skin yellow; flesh crisp and sub-acid; almost immune to blight.

**Red June**—Early. Medium size; dark red; white flesh; juicy, sub-acid; ripens over a long period; bears well and is a heavy cropper.

**Yellow Horse**—Late summer. Large size; yellow, slightly red where exposed to sunshine. One of the best cooking Apples; fills in between seasons.

**Grimes Golden**—Early winter. Large; golden yellow; of high quality. Tree vigorous; a heavy bearer.

**Delicious**—Late fall. Fruit large, dark red, fine grained flesh, crisp and juicy and of high quality. A splendid shipper and prolific bearer.

**Stayman Winesap**—Winter. Larger and more prolific than the old Winesap. Rich, dark red; firm; fine grained and juicy; adapted to a wide range of soils and climates.

**Winesap**—Winter. Medium size; dark red; good quality; keeps well. Tree is a hardy grower and good bearer. A popular variety and well liked.

**Yates**—Winter. Small; yellow with dark red stripes. Because of its sure and heavy crops, has proven one of the most desirable Southern sorts.

#### PEACHES

**FIRST CLASS**—4-5 feet, 35c each; 10, \$3.00; 100, \$25.00.

**ORCHARD SIZE**—2-3 feet, tied in bunches of 10 and sold in multiples of 10—100, \$15.00; 10 for \$2.00.

**Early Rose (Cling)**—Ripens with the earliest; is an extremely free bearer and comes into bearing young. Fruit is roundish, medium to large size.

**Arp Beauty (Free)**—Medium size; yellow, mottled with bright crimson; flesh is of rich yellow color and is really of very good quality for an early Peach.

**Carman (Free)**—Large; creamy white with deep blush; fine flavor; hardy in production; a good shipper, strong grower, and early bearer.

**Indian Cling or Blood Cling**—An old-time favorite wherever planted, and grows to a large size; dark red flesh; a deep red; highly flavored.

**J. H. Hale (Free)**—Larger than Elberta; ripens several days later; superior to Elberta in flavor; a beautiful golden yellow with deep carmine blush.

**Heath Cling (White Heath, Cling)**—Skin and flesh white, tinged with red; tender, juicy, and of high flavor. A wonderful Peach for canning and pickling.

**Hiley (Early Belle)**—One of the best early shippers; large, white with bright red cheek. One of the most profitable sorts.





## BUCHANAN'S GRAPE VINES

**Fredonia**—The new, outstanding early black Grape. Fredonia is the earliest good black Grape. The vine is vigorous and productive and ripens its fruit three weeks earlier than Concord. The clusters are medium in size, cylindrical and very compact; berries large, round, and hang well to the bunch; the skin is thick and tough; the flesh is juicy, solid, but tender, and the quality is very good. Fredonia stands alone as an early, heavy fruiting black Grape. Plant Fredonia this year and grow your own table grapes. We have never seen its equal. As soon as plants are more plentiful, Fredonia will be widely planted for market as it has three weeks the lead in ripening. Supply limited this season—order early.

**Price, Post Paid**—Each, 60c; 5, \$2.50; 10, \$4.25. **At Store**—Each, 50c; 5, \$2.00; 10, \$3.50.

**FOLLOWING VARIETIES**—Each, 25c; 10, \$2.00; 25, \$4.50; 50, \$7.00; 100, \$12.00, post paid.

**Concord**—Fruit dark purple, nearly black; extra large and very sweet. One of the best known and most popular.

**Delaware**—Fruit red, rather small, juicy and sweet; the best table variety grown.

**Diamond**—Fruit of a greenish white color; very large, sweet, and of good quality. Vine perfectly hardy and a good bearer.

**Moore's (Moore's Early)**—A highly desirable early black variety; ripens about two weeks ahead of Concord.

**Niagara**—One of the most valuable white Grapes. Bunch and berry large; ripens with Concord. Fruit very tender, sweet, and juicy.

**Lutie**—A true Southern variety. Fruit large, brownish red and of delicious flavor. A good, sure bearer.

## SCUPPERNONGS

The Scuppernong or Muscadine type Grape is distinctly Southern. The vines are not hardy very far north, but do wonderfully well all over the South. The fruit is not borne in bunches as are other Grapes, but are produced in clusters.

**TWO-YEAR PLANTS**—Each, 60c; 10, \$4.75, post paid.

**Scuppernong**—Very large, bronze colored fruit; flesh very sweet; grown in clusters, not in bunches.

**James**—Large; fruit of a delicate flavor, and is borne in large clusters. A strong growing, black Scuppernong.

**Thomas**—Medium size, round, dark, fine color. Highest in sugar content.

## PEARS

**PEARS**—4-6 feet, 50c each; 10, \$4.50; 100, \$40.00.

**ORCHARD SIZE**—2-3 feet, tied in bunches of 10 and sold in multiples of 10—\$25.00 per 100; less than 100, 35c each.

**Bartlett**—Probably the most popular of all Pears. Large, juicy, yellow, sweet, and of high value for marketing or canning.

**Kieffer**—A money maker on account of its remarkably vigorous growth and early productiveness, its extraordinary size, splendid keeping and shipping qualities; excellent for canning and preserving.

**Pineapple**—Practically blight-proof; a strong, vigorous grower and remarkably productive here in the South.

**Seckel**—Fruit medium in size, russet-brown, with a very sweet flavor. The finest flavored of all Pears; valuable for the home orchard.

## PECANS

In arranging a home orchard, we suggest that Pecan trees be planted 60 feet apart each way, with fruit trees in between. In a planting of Pecan trees alone, 40 by 40 feet, or 60 by 60 feet, depending upon the quality of the soil as to the right distance.

**FIRST CLASS**—4-5 feet, 90c each; \$8.00 per 10; \$60.00 per 100. 2-3 feet, 60c each; \$5.00 per 10; \$40.00 per 100.

**Schley**—Thrifty, strong grower. Nut rather long, well filled; very thin shell.

**Frotscher**—Medium to large size; nut rather long, tapering, slightly plump; rich meat. Tree very hardy and strong grower.

**Stuart**—Probably the best known and most valuable of all the Pecans. Extremely hardy and strong grower. Nuts of good size. We think this is the best Pecan grown; have sold these nuts for 15 years; made shipments to all parts of the world. If you have Stuart Pecans for sale, send samples; we will make offer for your crop.

## CHERRIES

**CHERRIES**—3-5 feet, 50c each; 10, \$4.50; 100, \$40.00.

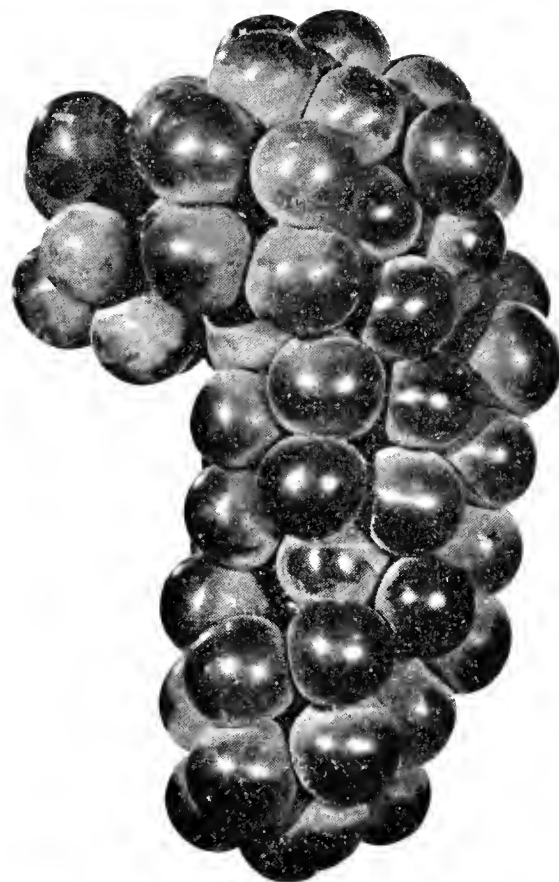
**ORCHARD SIZE**—2-3 feet, tied in bunches of 10 and sold in multiples of 10, \$30.00 per 100; less than 100, 40c each.

**Black Tartarian (Sweet)**—Of large size, heart-shaped; purplish black; flesh tender, juicy, and of fine quality. Tree an erect, beautiful grower and heavy bearer.

**Governor Wood (Sweet)**—Light yellow, extremely sweet, juicy, and of rich flavor. Tree vigorous and productive.

**Large Montmorency (Sour)**—One of the best flavored Cherries in its class; larger and finer than Early Richmond and ripens ten days later. Tree of rapid growth and a heavy bearer.

**Early Richmond (Sour)**—Extra early; bright red, very valuable for canning. Tree extremely hardy and productive. The earliest pie Cherry available.



Fredonia Grape

## APRICOTS

**APRICOTS**—4-5 feet, 40c each; 10, \$3.50.

**Early Golden**—Small; pale orange - yellow; juicy and sweet; highly flavored.

**Royal**—A standard variety; medium to large; pale yellow, with orange cheek; very desirable and equally valuable for canning or drying.

## PLUMS

**PLUMS**—4-5 feet, each, 40c; 10, \$3.50; 100, \$30.00.

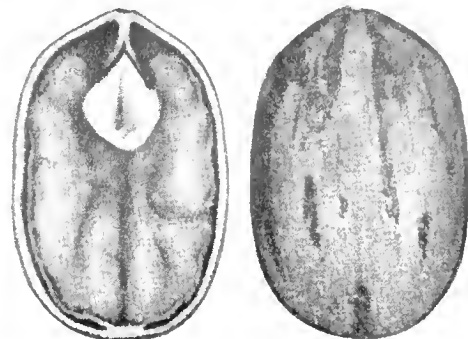
**Abundance (Japanese)**—Medium to large; color bright red and overlaying a yellow ground; cling. Tree strong, thrifty, an upright grower and an early and prolific bearer.

**Burbank (Japanese)**—Large; mottled red and yellow; good quality; cling. Tree a strong, straggling grower and immense bearer.

**Red Junc (Japanese)**—Medium to large; deep red; handsome bloom; very showy; quality good; good shipper; ripens a week earlier than Abundance.

**Wild Goose**—One of the best known of all the Plums; large, deep red when ripe, good quality, very juicy. One of the best native varieties, ripening earlier than the Japanese sorts.

**Shropshire Damson**—Medium size; dark purple flesh; grown largely for preserving purposes. Probably the best preserving Plum.



Stuart Pecans



Latham Red Raspberries

### BUCHANAN'S FIG BUSHES

Should be planted on every farm and on every town lot as they do exceptionally well in every Southern state. Figs are one of the most healthful fruits—we like the Brown Turkey best. Plant the trees 12 to 18 feet apart each way.

Prices—First Class, 3-4 feet, 60c each; \$5.00 per 10; \$35.00 per 100.

**Brown Turkey**—Fruit medium to large, pear-shaped, coppery brown skin with white or yellowish tinted flesh. Very productive.

### BUCHANAN'S SOUTHERN GROWN STRAWBERRY PLANTS

#### ALL PLANTS ARE GROWN ON THE BEST NEW LAND AND ARE SURE TO PLEASE YOU IN EVERY RESPECT

Our plants are produced by one of the largest growers of strawberry plants in the United States, who is located in the best berry section of the South. He has built up the largest business of its kind in the country. All plants are fresh dug. After the orders are received, grower digs the plants, and nothing but fresh stock is sent out. We start shipping October 10th; can ship most any date from that time until May 1st. All plants are guaranteed to reach your express office in good condition if taken out at once upon arrival. By mail we guarantee safe arrival, when taken out of postoffice at once upon arrival. Plant on good ground, deeply worked and well manured. Set in rows  $3\frac{1}{2}$  feet apart, 15 inches in rows, for field culture; 15 inches each way for garden. Cultivate clean, mulch late in the fall. Remove mulch after fruiting and spade in a light dressing of manure. About 7,000 plants an acre.

**New Southland**—This variety was introduced by the U. S. Department of Agriculture in the spring of 1932. Its behavior since that time has emphasized the fact that it is the first really good home garden berry the South has ever had. In many communities of the South we believe Southland offers an opportunity not only to enjoy better strawberries than ever before at home, but to start also a profitable business supplying fancy, large, high quality berries to the markets in Southern towns and cities.

**Blakemore**—Early—Solid—Productive—A Great Shipping Berry. It is a recent introduction by the U. S. Department of Agriculture. A seedling of Missionary and Premier. It is primarily a long distance Southern shipping berry, but has done well as far north as Southern New Jersey and Southern Pennsylvania. As a shipping berry for the South we feel that it should almost completely replace Missionary and Klondyke, except in Florida, where Missionary is the leader.

**Progressive**—Everbearing—best buy grown; bears all summer up to front.

**New Southland**—Home Garden or home market, large, early berry, not best for shipping.

**Klondyke**—The old standard shipping variety, set more than any other, because of its keeping quality.

**Aroma**—Large berry, bright red—fine for long distance shipping, attractive to the eye.

Prices—Klondyke, Aroma, Blakemore:

	At Store or Express	Post Paid
100 .....	\$0.75	\$0.90
300 .....	1.15	1.50
500 .....	1.70	2.10
1,000 .....	2.60	3.15

Prices—Progressive Everbearing, New Southland:

	At Store or Express	Post Paid
100 .....	\$1.25	\$1.40
300 .....	3.50	3.75
500 .....	5.95	6.20
1,000 .....	10.00	10.40



Strawberry Plant



Althea—Rose of Sharon

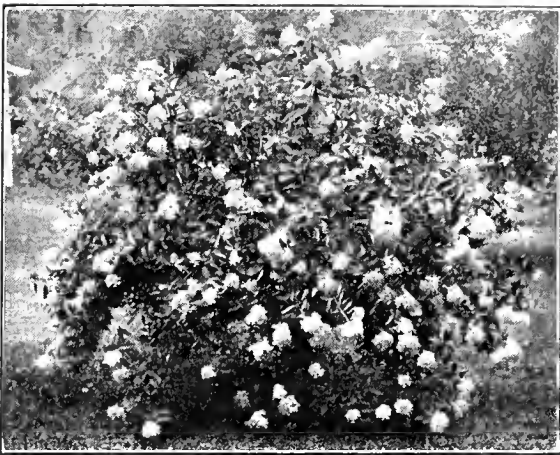
**FLOWERING  
SHRUBS**

A careful selection from our list of varieties will give flowers of one variety or another throughout the entire Summer.

All two-year strong plants.

*Special Notice*

All roses, plants, shrubs and trees—in fact, everything in the nursery department — will be shipped separately from seeds or other merchandise. All nursery stock is shipped direct from our growers very promptly. Please bear this in mind in case your order includes nursery items. We recommend express shipment for all plants, shrubs and trees.



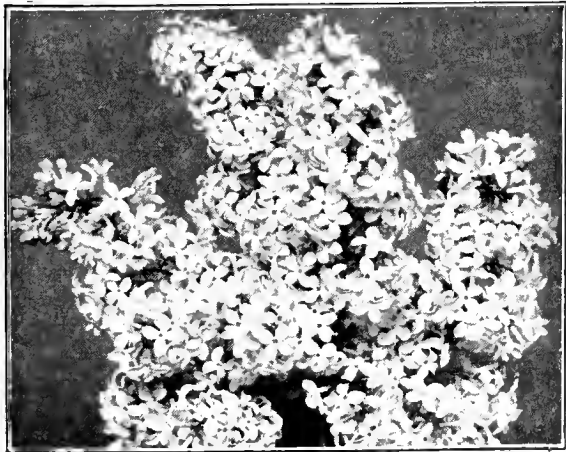
Hydrangea

**ORNAMENTAL SHRUBS**

PRICES ARE NOT PREPAID

When more than one color is listed, specify color.

	Each
ALMOND—Rose-like flowers of pink or white.....	\$ .45
ALTHEA—Blossoms from early summer until frost. White, red, blue or purple.....	.30
BEAUTY BUSH—Flowers deep pink.....	1.25
BUTTERFLY BUSH—Lilac colored flowers.....	.35
CALYCANTHUS—Chocolate colored flowers.....	.35
CAPE MYRTLE—Large shrub with flowers borne in panicles. We offer white, red, pink or purple.....	.45
DEUTZIA, PRIDE OF ROCHESTER—Double white flowers tinted pink. Early.....	.30
FORSYTHIA—Golden yellow, bell-shaped flowers.....	.25
HONEYSUCKLE, JAPANESE BUSH—White flowers in early Spring followed by red berries.....	.25
HYDRANGEA, A. G.—Large white flowers in early spring.....	.45
HYDRANGEA, P. G.—Pure white flowers borne in large panicles...	.45
JAPAN QUINCE—Scarlet flowers, quince-shaped fruit.....	.45
JASMINE, HUMILE—Bright green, arching branches; yellow flowers in Summer.....	.45
JASMINE NAKED FLOWERING—Bright yellow flowers in mid-winter.....	.45
LILAC, PURPLE—Deep lavender flowers.....	.30
SNOWBALL, COMMON—Large ball-like flowers of pure white...	.45
SPIREA, DWARF WHITE—White flowers borne in flat clusters in Summer.....	.20
SPIREA, PINK—Dwarf habit of growth, pink flowers.....	.25
SPIREA, GOLDEN LEAF—White flowers, golden-bronze foliage..	.45
SPIREA, LACE-LEAVED—Double white flowers in late Spring..	.45
SPIREA, CRIMSON—Dwarf shrub with crimson flowers.....	.25
SPIREA, BRIDAL WREATH—White flowers in clusters on graceful branches.....	.25
SPIREA, THUNBERGI—White flowers in early Spring, feathery foliage.....	.25
SPIREA, BLUE—Dwarf shrub, lavender-blue flowers in mid-summer.....	.45
SPIREA VAN HOUTTE—Very popular. Profusion of white flowers in Spring.....	.20
SNOWBERRY—Small shrub, arching branches. White flowers followed by clusters of white berries.....	.25
WEIGELA, CANDIDA—White, bell-shaped flowers in early Spring	.35
WEIGELA, EVA RATHKE—Dwarf shrub with beautiful glowing red flowers.....	.40
WEIGELA ROSEA—Deep pink flowers on drooping branches in early Spring.....	.35
WEIGELA, VARIEGATA—Pinkish-white flowers, foliage variegated green and white.....	.45
WITCH HAZEL—Yellow fringe-like flowers in late Fall.....	.45



Lilac

**EVERGREEN SHRUBS**

PRICES ARE NOT PREPAID

When more than one color is listed, specify color.

	Each
ABELIA—Foliage small, dark green; flowers pinkish-white from May until frost.....	\$ .60
AZALEA, HINODIGIRI—Dwarf growing Japanese Azalea, producing bright carmine flowers in early Spring. The blooms come in such profusion as to almost hide the foliage, making the bush a blaze of color. Quite hardy.....	1.75
AZALEA, AMOENA—Stronger growing than preceding variety. Flowers bright rosy purple borne in masses. Beautiful foliage through the Fall and Winter months.....	1.50
BARBERRY, WILSON—Hardy shrub, small gray-green foliage, turning red and bronze in the Fall. Yellow flowers in clusters.....	.75
BOXWOOD, DWARF—A border plant of slow habit of growth. Ideal for bordering walks or flower beds.....	.20
BOXWOOD, TREE FORM (Pyramid Shapes)—The boxwoods most commonly seen in old-fashioned hedges. Upright habit of growth, small dark green leaves. More rapid in growth than the above variety.....	2.00
CAPE JASMINE—Medium height shrub, large, glossy thick leaves. White flowers of great fragrance.....	.75
CAROLINA CHERRY—Large shrub with dark green foliage. Valuable for screening.....	.85
MAHONIA, JAPONICA—Similar to Aquifolia in habit of growth. Yellow, bell-shaped flowers in January and February.....	1.50
NANDINA, DOMESTICA—Upright in habit of growth. Foliage finely cut, white flowers and clusters of red berries which remain on all Winter.....	1.00
CAMELLIA JAPONICA—Favorite Southern evergreen shrub. Exquisite, glossy green leaves and flowers of rich shades borne on short, thick stems. Winter blooming and not hardy in the North...	1.50
ENGLISH LAUREL—Medium sized shrub with shining green foliage. Valuable for foundation planting. Price, 18 to 24 inch...	1.35
EUONYMUS JAPONICA—Compact, upright evergreen with large, glossy foliage. Excellent for foundation planting and screening purposes. Price.....	.85
EUONYMUS SIEBOLDIANA—Upright, graceful growing plant, bearing seed pods from which red seed are suspended in late fall. Price.....	.85
LIGUSTRUM LUCIDUM—Compact, graceful plant with large glossy leaves. Price.....	1.50



Weigela

**HARDY  
CLIMBING VINES**

All strong two-year plants.

	Each
Virginia Creeper.....	\$ .50
Wisteria, White and Purple..	.75
Clematis, Jackmani Purple..	.85
Clematis, Henryi, White, large.....	.85

**SPECIAL SALES  
on  
SHRUBS**

Saturdays and Mondays  
During Planting Season





Arborvitae (Globe)

CONIFEROUS  
EVERGREENS

All of the Evergreens we offer will be shipped with ball of earth and burlap around each individual plant. In planting, the burlap and earth should be left undisturbed. This method adds to the weight of the plants and where quantities are ordered, we recommend that they be shipped by freight rather than express.

SHIPMENTS OF BALLED  
EVERGREENS CANNOT BE  
MADE BY PARCEL POST

Watch Papers for  
SPECIAL SALES  
on  
ORNAMENTALS



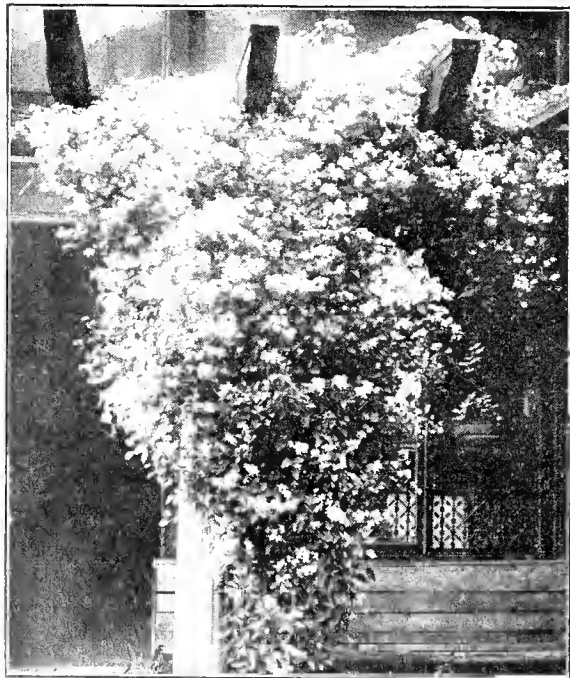
Spruce (Norway)

## ARBORVITAE

	Each
AMERICAN—Conical in shape, compact light green in color. Price, 18 to 24 inch.....	\$1.35
BAKER'S—Tall, pyramidal type. Foliage soft, light green. Price, 18 to 24 inch.....	1.50
BONITA—Similar to Dwarf Golden in habit of growth, but foliage is solid green. Price, 18 to 24 inch.....	2.00
CHINESE—Pyramidal in habit of growth, bright green in color. Price, 18 to 24 inch.....	1.25
DWARF GOLDEN—Dwarf, cone-shaped. Foliage green with distinct golden tinge. Price, 12 to 15 inch.....	1.50
ELEGANTISSIMA LEE—Pyramidal in habit of growth with yellow tipped foliage. An excellent conifer. Price, 18 to 24 inch.....	1.75
GLOBE—Dwarf growing, globe-shaped. Foliage bright green. Price, 12 to 18 inch.....	1.75
PYRAMIDAL—Tall, pyramidal grower; foliage bright green. Price, 18 to 24 inch.....	1.50
PYRAMIDAL GOLDEN—Pyramidal habit of growth; foliage deep golden yellow. Price, 18 to 24 inch.....	2.00
ROSEDALE—A broad, cone-shaped variety with plume-like foliage of blue-green. Ultimate height, 3 to 4 feet. Price, 15 to 18 inch..	1.50
TEXAS BLUE—Pyramidal in habit of growth, with soft blue foliage. 3 to 4 feet. Each.....	2.75

## CEDAR

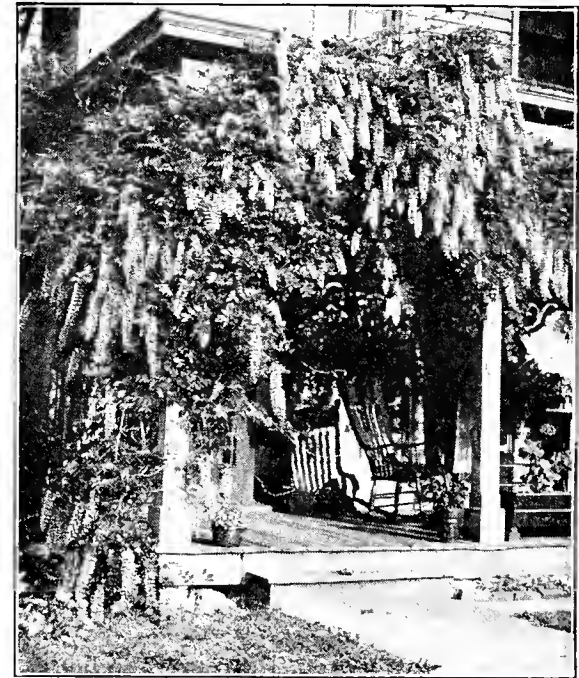
CEDRUS DEODORA—Large growing. Drooping branches and silvery-green foliage. Price, 3 to 4 feet.....	\$3.50
CEDAR, INCENSE—Tall, pyramidal grower with deep green foliage. Price, 18 to 24 inch.....	1.50



Clematis

## SHADE TREES

	Each
Chinese Elm—One of the best quick growing; makes a beautiful, hardy, tough tree—one you will be delighted with. 4-5 ft. tree....	\$1.00
Tulip Poplar—4-6 ft.....	.65
Silver Maple—8-10 ft.....	1.00
Texas Umbrella China—3-4 ft.....	.65
Weeping Willow.....	.90
Lombardy Poplar—8-10 ft..	.75
Redbud, Japanese—Similar to Native Redbud. Flowers double, reddish purple. 3 to 4 ft. ....	.65
Weeping Mulberry—Small tree of drooping habit of growth. Long, graceful branches curving to the ground. Fine for specimen planting. Two-year heads.	1.75



Wisteria

## JUNIPER

	Each
BLUE VIRGINIA CEDAR (Juniperus Virginiana Glauca)—Compact, symmetrical habit of growth. Foliage silvery-blue. Price, 18 to 24 inch.....	\$2.50
JUNIPER, CANADIAN PROSTRATE—Prostrate habit of growth; foliage silvery light green. Adapted to planting on hillsides and among rocks. Price, 15 to 18 inch.....	2.00
JUNIPER, ENGLISH—Pyramidal form, drooping branches; foliage grayish-green. Price, 2 to 3 feet.....	1.50
JUNIPER, GOLDEN CANADIAN PROSTRATE—Low spreading form with nearly prostrate branches; foliage in Spring light golden yellow, later turning to bronzy green. Adapted to planting among rocks. Price, 12 to 15 inch.....	1.75
JUNIPER, IRISH—Erect growing with foliage of deep green overcast with blue. Price, 18 to 24 inch.....	1.00
JUNIPER, PFITZER—Low growing form; foliage green with slight blue tinge. Price, 18 to 24 inch.....	2.25
JUNIPER VIRGINIA (Red Cedar)—Our well known native cedar, compact and symmetrical, with light green foliage. Price, 18 to 24 inch.....	1.00

## SPRUCE

NORWAY—Pyramidal in shape; dark green foliage. Easy to transplant. Price, 18 to 24 inch.....	\$1.35
COLORADO BLUE—Pyramidal form, foliage intense steel-blue. Price, 12 to 15 inch.....	2.25

## TAXUS—YEW

TAXUS CUSPIDATA (Japanese Yew)—Spreading branches; short, waxy, shiny green leaves. Of slow growth and invaluable wherever space is limited. Price, 18 to 24 inch.....	\$3.00
TAXUS CUSPIDATA NANA (Dwarf Japanese Yew)—Dwarf habit of growth. Ultimate height, 3 feet, with spread of same distance. Deep green, wax-like foliage. Retains color in severe cold. Thrives in shade. Price, 15 to 18 inch.....	3.00



## BUCHANAN'S SEED CORN

All prices on this page post paid through Third Zone. Prices not prepaid—see Yellow Price List enclosed. You will find corn prices on Yellow Sheet "NOT POST PAID," and many times can save money by figuring your postage by using map and rates in front of catalogue.

**1125—BUCHANAN'S PAYMASTER (100 Days)**—Originated in Middle Tennessee, where there are several counties that are noted for their heavy yields of corn, due to the fact that the soil of these counties contains the elements of potash and phosphate in abundance. These elements supplied by nature are the most important factors in producing not only heavy yields of corn, but seed corn of strong vitality.

Buchanan's Paymaster is suited for both lowlands and good uplands. It will produce a medium stalk with two good ears, broad white grains on a bright red cob—fills out well.

½ gal., 35c; 1 gal., 55c; 1 pk., 90c; ½ bu., \$1.60

**1126—TENNESSEE WHITE, RED COB (120 Days)**—An extra large field corn; grains long, broad and evenly lined on large red cob. The ears of this sort will run from 9 to 12 inches long and have from 18 to 20 rows. It is a rather late maturing sort, but for bottom land and main crop this corn cannot be excelled. This is one of the largest grain, greatest yielding and best milling corns grown in the South.

½ gal., 30c; 1 gal., 50c; 1 pk., 85c; ½ bu., \$1.50

**1128—BUCHANAN'S CHAMPION WHITE DENT (90 Days)**—It is the earliest large-eared white field corn known. It is an early White Dent, coming in almost as early as the Early Surprise, but much larger; sample ears have been shown us 14 inches in length and 3½ inches in diameter. For stock feeding it is very valuable; coming in as it does when all fodder is short, it fills a breach which all stock feeders can appreciate. Again, it is a corn that has made itself before the hot, dry weather and when other field varieties must make their growth.

½ gal., 30c; 1 gal., 50c; 1 pk., 85c; ½ bu., \$1.50

**1133—BUCHANAN'S BIG WHITE JUNE (80 to 90 Days)**—A superior variety to the Mexican June, originating in Mexico; grains pure white, ears a little larger than North Carolina; grows successfully with only half normal rainfall and adapted to all soils in the Cotton Belt. The heavy root system makes it resistant to hot, dry weather. It is very prolific, bearing two to three ears to the stalk.

½ gal., 30c; 1 gal., 50c; 1 pk., 85c; ½ bu., \$1.50

**1135—BUCHANAN'S WHITE PROLIFIC (120 Days)**—Requires a fairly long season to develop hard corn, 110 to 120 days. Stalk is large, 8 to 12 feet tall, according to soil and season, rooting deeply. Stalk and blades are large and vigorous. Ears of medium size, two or more to the stalk, depending on the distance given and the growing conditions. On good strong land, one stalk often makes 4 to 6 ears.

½ gal., 30c; 1 gal., 40c; 1 pk., 85c; ½ bu., \$1.50

**1132—HICKORY KING (110 Days)**—This is an entirely distinct variety among the white corns, combining the largest grain with the smallest cob. Ears fill out well and will make more shelled corn to bulk of ears than any other variety. It is good for roasting ears to follow Early Surprise; makes splendid quality of corn meal.

½ gal., 35c; 1 gal., 50c; 1 pk., 95c; ½ bu., \$1.50

## POP CORN

A 10c package will plant a row in the garden; a pound will plant a good patch, and 5 or 6 pounds will plant an acre drilled in rows 3 feet apart.

**31—POP CORN (Japanese Hull-less)**—Best and cleanest popping corn. Very small, white full ears. Not as heavy bearing, but pop corn men prefer it at a higher cost than all others for popping.

Pkt., 10c; ½ lb., 25c; 1 lb., 35c; 2 lbs., 55c

**32—POP CORN (White Rice)**—Give the children corn to pop during the winter. White Rice has white, large pointed grains that pop nicely.

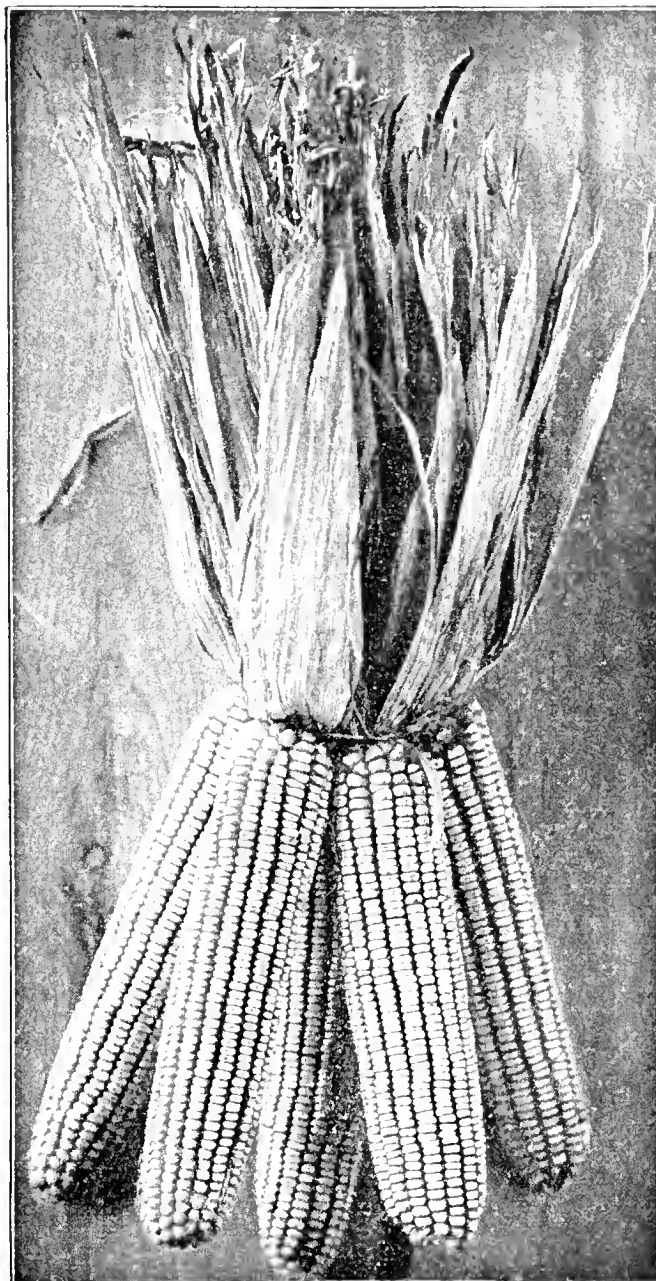
Pkt., 10c; ½ lb., 25c; 1 lb., 35c; 2 lbs., 55c

**33—POP CORN (Golden Queen)**—This variety has large yellow grains that pop nicely, and it is the standard yellow pop corn for the South.

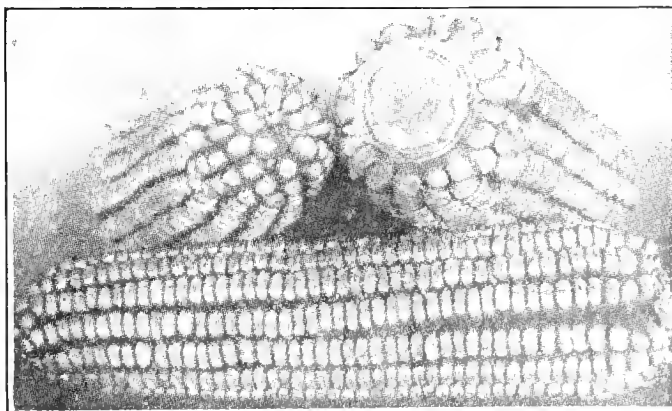
Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c

**34—AUSTRALIAN DYNAMITE POP CORN**—A new variety; seed considerably larger than other sorts; and it's also of fine eating quality. This pop corn is in greater demand for popping than all other varieties known. You will not make a mistake in growing one acre in 1935. Pop corn requires the same kind of land and cultivation as field corn.

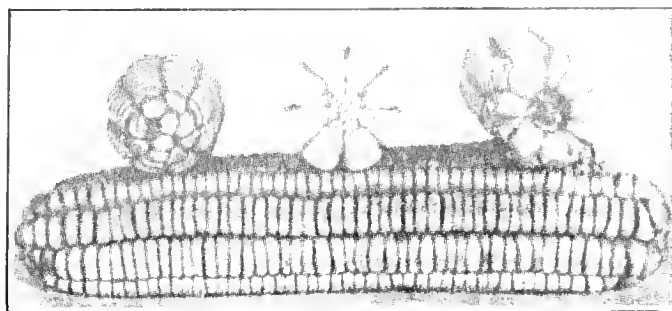
Pkt., 10c; ½ lb., 25c; 1 lb., 35c; 2 lbs., 60c



Buchanan's Paymaster

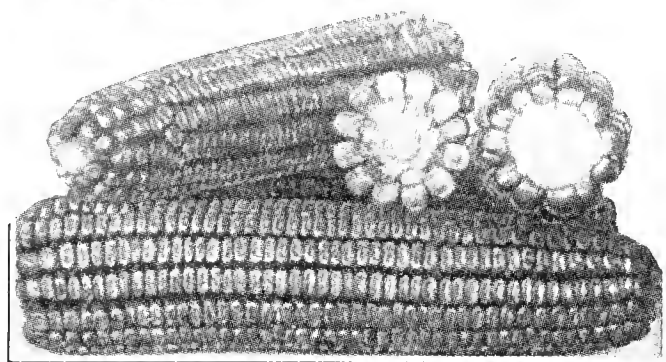


1135—Buchanan's White Prolific

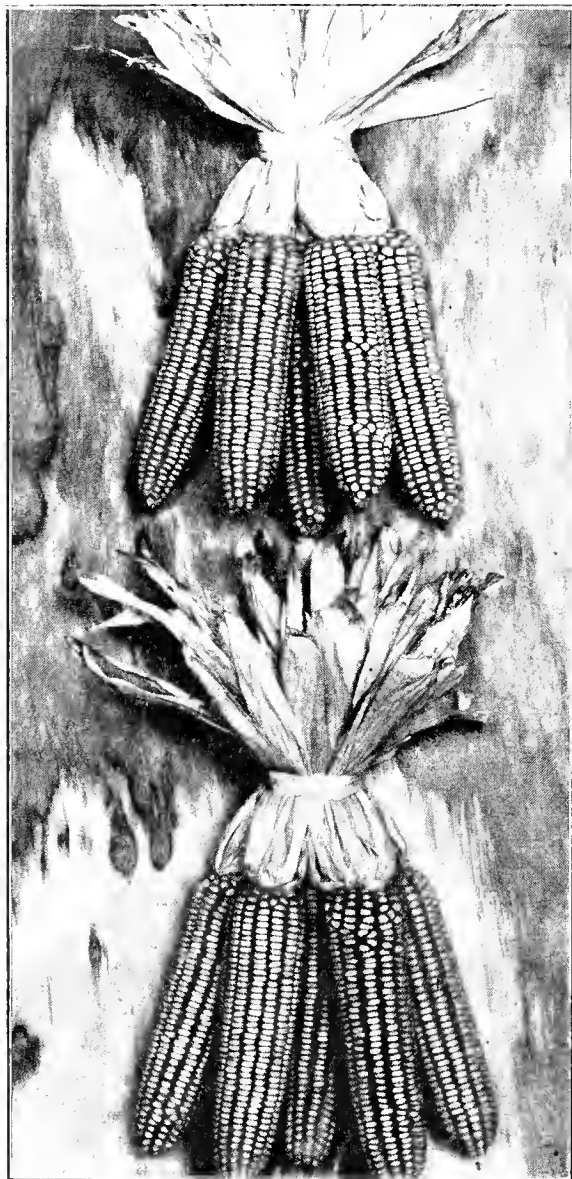


Hickory King

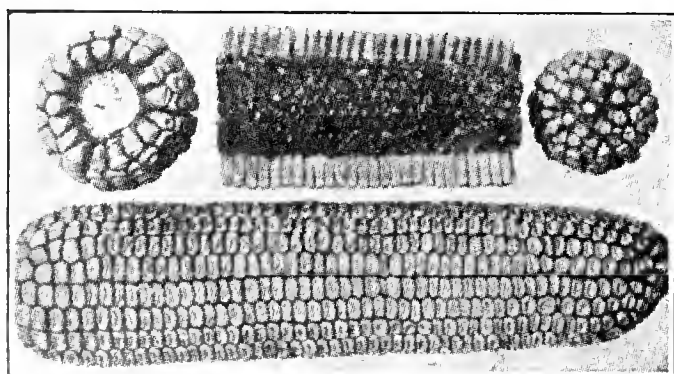


**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

1133—Buchanan's Big White June



Buchanan's Golden Prolific Corn



1139—Tennessee Yellow Dent

All Prices on This Page Post Paid  
 Prices Not Prepaid—See Yellow Price List Enclosed  
 All Corn Post Paid Through Third Zone

**BUCHANAN'S BIG BLUE GRAIN MEXICAN JUNE**

1134—Mexican June (65 to 85 days)—Original was handed down by the American Indian—it is very much like Squaw or Indian Corn grown by Mexicans, Indians and those farmers of the very dry farming lands of our Southwest. Thirty-six years ago, when I began selling this (original) Mexican June, I spoke and wrote of it as the last excuse for corn, it would make some corn planted in July, followed by severe drouth, when all other corns would fail. Realizing that this was a very unprofitable crop for the Middle South, I began about 15 years ago to have growers improve this variety by crossing it with Tennessee Champion White Dent, in an endeavor to retain the drouth-resisting qualities of the original Mexican June and producing the larger ear of the White Dent.

During 1933 and 1934 we could not supply the demand for this corn, and I want everyone who can supply seed for 1935 crop from corn bought of us, to write; in selecting your seed, try and select all ears 7 to 9 inches long containing blue grains; also those ears containing all blue grains; mail samples now.

This corn has proved its worth for planting after June 1st up to July 15th. In 1933 some planted up to August 15th for late roasting ears, which it makes in 65 days. Our average killing frost date at Memphis is November 4th (U. S. Weather Bureau report).

Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, red cobs are often found. Ears have mostly white grains, but dark blue and red grains often appear, sometimes only one to three to the ear. This apparent mixture of color is peculiar to many varieties of Mexican corn. Mexican June also makes fine "roasting" ears for use right up to frost.

It is a great drouth resister and usually, if there is enough moisture to sprout the seed, a crop is assured. If wanted mostly for forage or ensilage, plant in April or May. Early planting makes stalks 12 to 15 feet high, leaves 4 to 6 feet long.

½ gal., 35c; 1 gal., 60c; 1 pk., \$1.00; ½ bu., \$1.65

1136—MOSBY'S PROLIFIC (120 Days)—The most prolific corn in existence; the stalks are tall, bearing 3 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. It has good roots and will withstand storms better than any other prolific sort.

½ gal., 35c; 1 gal., 60c; 1 pk., \$1.00; ½ bu., \$1.65

1137—NORTH CAROLINA (120 Days)—Our grower of this variety of corn lives in Shelby County, Tennessee; has grown no other corn for years. He has bred this corn to a medium stalk, producing 4 to 6 ears. This corn will stand in the field after maturing, through rain, storms and snow, and deteriorates less than any variety of corn grown today.

½ gal., 35c; 1 gal., 60c; 1 pk., \$1.00; ½ bu., \$1.65

1138—WISCONSIN WHITE DENT (75 Days)—A Northern grown, very early, small-eared corn, highly recommended where an early feed crop is needed or for producing roasting ears for market. It will prove its worth to the man who is short of feed and needs a corn to make quickly.

½ gal., 40c; 1 gal., 65c; 1 pk., \$1.10; ½ bu., \$1.85

1144—BUCHANAN'S (JARVIS) GOLDEN PROLIFIC—A yellow prolific corn with husk covering the ears so completely and tightly that it is practically impossible for any bird or weevil to get to the corn in the field. It is the hardest grained and makes the most solid ear of any yellow corn that we know, with the exception of the Cuban Yellow Flint. It resists drouth remarkably well, produces two good medium-size ears to the stalk and is in great demand on the Memphis market for roasting ears.

½ gal., 35c; 1 gal., 60c; 1 pk., \$1.00; ½ bu., \$1.65

1139—TENNESSEE YELLOW DENT (90 Days)—My most popular variety of yellow field corn, produces a medium stalk with two good ears of uniform size and shape, 8 to 10 inches long, with 14 to 18 straight rows of yellow kernels on a medium-sized red cob, and ears are well filled out over tip. Tennessee Yellow Dent is often called drouth resister, as it will produce more corn on our thin uplands during a drouth year than any other known corn.

½ gal., 35c; 1 gal., 60c; 1 pk., \$1.00; ½ bu., \$1.65

1141—IOWA GOLD MINE (90 Days)—An early yellow sort, having good size ears. It originated in the West, where it is very popular, and east of the Mississippi has found high favor among most growers.

½ gal., 35c; 1 gal., 55c; 1 pk., 95c; ½ bu., \$1.55

1142—REID'S YELLOW DENT (110 Days)—Color, deep yellow, with lighter cap. Grains very deep, closely packed.

½ gal., 35c; 1 gal., 55c; 1 pk., 95c; ½ bu., \$1.55

**FOR WHOLESALE PRICES—NOT PREPAID—See Yellow Sheet in Center of Catalogue**



**R. B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

Picking and Weighing Cotton on the Plantation of W. H. Houston, Tunica, Miss.

#### TO MY CUSTOMERS:

January 1, 1935

I have received thousands of letters during my long experience as a seedsman asking my advice as to what is the best variety of cotton to plant, and I have always advised farmers to grow that variety of cotton that brings the biggest per-acre returns in dollars and cents on his particular land. Yield of lint, percentage of lint or gin turn-out and length of staple are all important, and should be considered when selecting a variety of seed to plant. However, let us always select the variety that yields the most profit per acre regardless of the length of the staple, yield of lint per acre, or quality of lint.

For several years I have called the attention of my customers to the following facts regarding short staple cotton. First, it is early maturing; second, you get it picked before the rains; third, it yields more to the acre; fourth, you have it sold before the bulk of the cotton crop comes on the market and puts the price of cotton down; fifth, the Cotton Mills have adjusted their delicate spinning machines to spin short staple cotton into cloth to make fabric for automobile tires and many other uses where coarse cotton fabric can be used.

Why? Simply because short staple cotton answers their purpose and they can buy it several cents a pound less than they can buy long staple—and they are in business to make money.

For several years I have told my customers that my Half and Half Cotton seed grown along the northern edge of the Cotton Belt will mature earlier than cotton grown South (which has been proven many times), also that it will produce more dollars to an acre than any other cotton grown, especially on poor or medium soil when properly fertilized. Grow the cotton that will produce you the most dollars, for you, like the cotton mill owner, are in business to make money.

R. B. BUCHANAN.

#### Buy Pure Bred Cotton Seed

I do not attempt to list all the varieties of Cotton Seed grown (that would be impossible). I have listed only those varieties that I consider best after thirty-six years experience selling many varieties of Cotton Seed.

When I say that my Cotton Seed is backed by my thirty-six years reputation as a Seedsman, I mean that I am listing only those Cotton Seeds that have proven their worth.

#### Remember This!

Buy Pure Bred Cotton Seed from a reliable source.

Plant that Cotton Seed which will turn off the most dollars to the acre on your land.

Don't send your money away to some unknown person or firm who advertised some Cotton Seed that would perform miracles, for the days of miracles are over.

Do not buy Cotton Seed from some unknown salesman who comes from somewhere and sells his Cotton Seed with a high sounding name and many guarantees for it to work wonders, for he cannot be found next year if your crop from that seed proves to be just Gin Run Seed.

I do not have room to print here all that I would like to say about Cotton Seed—if you will write me, I will answer your letter promptly and answer your questions to the best of my ability.

R. B. BUCHANAN.

#### Fertilizing Cotton

Many farmers are proving that it pays them to cultivate fewer acres of cotton and use commercial fertilizer to hasten maturity. Read what we have on page 85 on fertilizers, or write us if needing special information or large quantities of fertilizers.



Long Staple Cotton

Looking through my catalogues of 20 to 25 years ago, I find very little said about Long Staple Cottons. In later years I find that we were quoting such varieties as Columbia Big Boll, Lone Star and Weber 49; then it was Express and Lightning Express for a few years, and these varieties began to fade away as the Delfos came along, and today the Mis-Dels Nos. 1, 2, 3 and 4 and Stoneville 1 and 2 seem to hold the attention of those planters who have heavy soils and want to produce cotton of the better staple. Much credit is due to Mr. W. E. Ayres, director in charge of the Delta Branch Experiment Station at Stoneville, Mississippi, for breeding and introducing these varieties. Owing to the cotton control regulations under the New Deal, I feel that much could happen between now (Dec. 10, 1934) and cotton planting time in the variety that the Delta will plant during 1935, and I am not going to try to make prices now on these staple varieties, and will ask you to write me when ready to buy, telling me the variety and amount you want. Your inquiry will be answered promptly.

### MEDIUM STAPLE COTTON

(1151)

**WANNAMAKER CLEVELAND**—One of the best and earliest large-boll varieties, and is well adapted to boll weevil lands. Bolls are large and thick; requires 52 to make a pound. Lint runs 1 to 1 1/16 inch, strong and very often brings a premium. Seed, snuff colored and medium size, out-turn at gin 33 1/3 to 40%. Stalk is branching in growth, with 5 or 6 primary limbs. This cotton is more widely grown in the Cotton Belt than any other variety, and none is more prolific.

At the Delta Branch Experiment Station, Stoneville, Miss., Wannamaker Cleveland showed the highest both 5 and 10-year average of dollars and cents production to the acre than any cotton in its class, and the cotton that produces the most dollars and cents to the acre on your land is the cotton for you to plant.

Our stock of this seed is grown for us along the northern edge of the Cotton Belt, as our many years' experience has proven to us that cotton seed produced along the northern edge of the Cotton Belt in Tennessee and North Carolina will mature from 10 days to two weeks earlier when planted further South than cotton seed grown in the middle or southern part of the Cotton Belt, and you know from experience that to get your cotton on the market 10 days to two weeks ahead of your neighbors, and before the market declines, means many more dollars to you. Remember this: I believe Wannamaker Cleveland cotton is the only variety of cotton being grown today that was being grown 37 years ago, when I entered the seed business—it has stood the test and proven its worth.

Price—Per bu. (32 lbs.), \$1.75; 100 lbs., \$4.00; 500 lbs., \$18.00. Not prepaid. Write for prices on quantities.

### LONG STAPLE COTTON

**DELFO 6102**—Was introduced as a low spreading, open plant, small leaves, 4 to 5 locks, 70 to 80 bolls to each pound; 31 to 32% lint turnout; staple 1 1/8 to 1 3/16; very early and very prolific.

**DELFO 911**—A selection from 6102, which proved in a 5-year test better in every way than 6102—more vigorous, larger bolls, pulling 1/16-inch longer staple than the 6102.

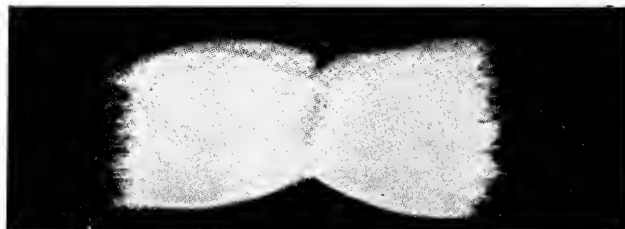
**DELFO 631**—Was recommended as being a plant erect, medium height, rather open, 64 to 70 bolls to the pound, turning out 30 to 31% lint at gin, with a staple of 1 3/16 to 1 1/4 inches.

**MIS-DEL No. 1**—Came out a few years ago, and then No. 2—in the course of time No. 3 was introduced as succeeding No. 1. Description: Semi-dwarf and very hardy; light foliage; big boll, 60 to 65 bolls to a pound; but 32 to 34% lint turnout and 1 3/16 to 1 1/4 inch staple; earliest of all staples. Then Mis-Del No. 4 was introduced as succeeding No. 2, claiming its superiority over No. 3, as it had smaller bolls, with about 70 to 75 bolls to each pound; good storm resistance, with a lint turnout of 34 to 36% in bottoms and 36 to 39% on hill lands; staple on bottoms, 1 1/8 to 1 3/16 inches, and on hill lands, 1 to 1 3/32 inches. The originator, about three years ago, claimed it the greatest cotton he had ever seen.

**STONEVILLE No. 1**—Very early maturing; extra large bolls, 55 to 65 to each pound; easy to pick; good storm resistance; lint percentage, 33 to 36%; staple 1 1/16 to 1 1/8 inches.

**STONEVILLE No. 2**—Plants more vigorous and spreading than No. 1; also very early; large bolls; lint percentage, 34 to 36%; staple 1 1/32 to 1 3/32 inches.

There are many other varieties too numerous to mention here. Write, telling variety and quantity wanted.



Medium Staple Cotton

### WILSON BIG BOLL COTTON

We handle only seed from the originator, Wilson Planting Company, Wilson, Ark. Grown, ginned, re-cleaned and sacked on this, the South's Largest Cotton Plantation.

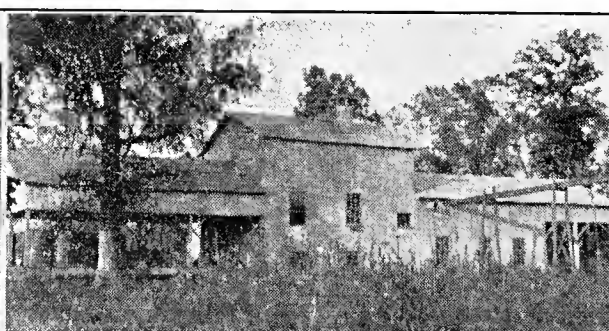
(1163)—**WILSON BIG BOLL**—The above plantation are specialists on this one strain, having spent \$50,000.00 and 14 years' time to perfect same. Wilson Big Boll fruits early, with a strong, wiry staple easy to pick; staple 1 inch to 1 1/16 inches, bringing a premium for quality grade.

Big five lock bolls bunched like grapes all over the plant, blooms early, bolls open early, staple in uniform gin turnout 36 to 40% lint. The Wilson Planting Company plants about 20,000 acres of this seed each year.

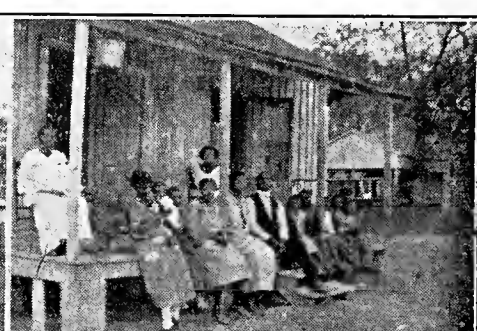
Per bu. (32 lbs.), \$1.75; 100 lbs., \$3.75; 500 lbs., \$18.00. Write for prices on quantities.



Cotton Bales



Cotton Gin



Tenant Family



## SHORT STAPLE COTTON

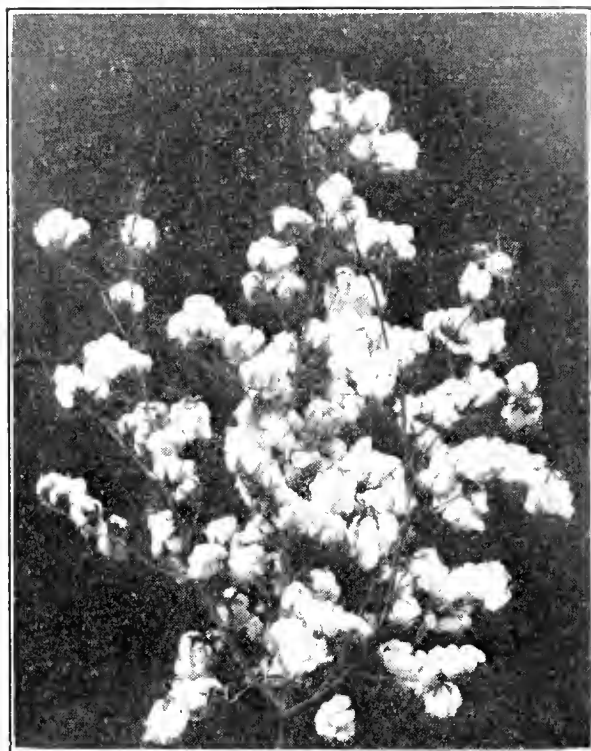
### Buchanan's Improved Half and Half Cotton Seed

(1152)

**HALF AND HALF (Type)**—Our Half and Half seed are grown by farmers in the northern section of the Cotton Belt, where practically nothing is grown but Half and Half. Seed are mostly from first picking and from cotton picked without any rain on it from the time it opened until it was picked—this insures our customers planting seed of extra high germination. From our 25 years' experience in handling Half and Half cotton, we find it the heaviest yielding, quickest maturing cotton known. Its heavy yield per acre is well proven by the many splendid testimonials we receive every year. We claim that our northern-grown Tennessee Half and Half cotton seed will be from 10 to 15 days earlier than cotton grown further south than Tennessee. This claim has also been well proven by experience and testimonials of our customers, who find our Tennessee-grown Half and Half seed from 10 to 20 days earlier than other cotton in their section. This one great advantage has caused many of our customers to make splendid crops when other varieties were ruined by boll weevil. Our Half and Half cotton has large bolls and is easy to pick. It has seven-eighths to a full inch staple; 1,050 pounds to 1,350 pounds of seed cotton gives 500 to 525-pound bale of lint. Many of our customers get 45 per cent lint, and some few 50 per cent lint. The yield per acre, length of staple and the turn-out at the gin will largely depend on the season, the nature of soil, the manner of handling and ginning, and the unknown laws of nature.

**Prices**—Per bu. (32 lbs.), \$2.00; per 100 lbs., \$5.00; 500 lbs., \$22.00. Not prepaid.

Write for prices on quantities.



Buchanan's Improved Half and Half Cotton

### Read What Others Say Regarding Buchanan's Improved Half and Half Cotton Seed

Mr. A. D. Ketchum, Holly Grove, Ark., Nov. 15, 1924, writes: It is the cotton for the farm man. It pays better than any cotton I have grown, and I have been with the Washington people 37 years. I have grown several varieties of cotton, but it beats any that I have ever grown. I got 24½¢ for it today. I believe every seed in the sack came up. Planted on land been in cultivation about 45 years.

Mr. W. A. Box, Horatio, Ark., Nov. 22, 1924, writes: It made ½ bale to the acre in spite of the long drouth. The land was just common pine land. The turn out at the gin was good, better than home grown seed. It sold for the same price as the Home cotton. It did better than my home grown seed all around. I was well pleased with them.

Mr. H. H. Wellinchoff, Bigelow, Ark., Dec. 23, 1924, writes: In regard to the Half and Half cotton seed must say that I am well pleased with the return. I planted it on Medium Creek Bottom land. I got a good stand. I used 1 bushel to 1 acre so that made it 3 acres. I made 2,000 lbs. off the 3 acres where it took 4 acres of my other cotton to make half that much.

C. E. Wells, Wattensaw, Ark., Nov. 17, 1924, writes: We are well pleased with your Half and Half cotton seed. We planted on old upland without commercial fertilizers. It graded ¾ to 1 inch staple, 1,250 lbs. seed cotton made 500 lb. bale. If you don't tell the buyer it's Half and Half he won't know the difference. Will want more seed next year.

Doyle Webb, Cato, Ark., Nov. 17, 1924, writes: I liked my Half and Half cotton seed fine. I planted it early in May on upland. Three acres medium good upland. One acre on worn out orchard land. I averaged 950 lbs. of seed cotton to the acre. We had a severe drouth all through July and August and September. August 1st I had a prospect of 1 bale to the acre, but the dry weather caused it to shed badly and injured the staple. About 1,250 lbs. made a 500 lb. bale. I used 175 lbs. 16% acid phosphate to the acre and my cotton sold for as much as average cotton. The most difference at any time was 25c on the hundred for the lint, \$1.25 on the bale. I will plant Half and Half next season to make a bale to the acre. I had a large crop and never gave my cotton no special work or extra fertilizer. I cleared \$100.00 per acre on my cotton and cotton seed.

Drew Co. Bank & Trust Co., Monticello, Ark., Nov. 21, 1924, writes: The seed we ordered of you were perfectly satisfactory, both as to germination and yield. These seed were planted on light sandy lands. Taking 1,200 lbs. to make 500 lbs. lint and sold from 20c to 24c during the season.

Mr. Ed. Woodworth, Tilton, Ark., Dec. 28, 1924, writes: I got some Half and Half cotton seed from you and I am more than pleased with them. I planted them on poor white land where was said it was only good for peas and I raised very good cotton for such a dry year. The Half and Half is my kind of cotton. It is earlier than other cotton I ever raised before. I had 1,245 lbs. and I got a bale weighing 460 lbs. I got it on the market when cotton was 25c a lb., because it was early and because it didn't take so much seed cotton. I feel like I saved money because I got it out before it went down.

C. G. Baker, Harrisburg, Ark., Nov. 17, 1924, writes: Regarding Half and Half cotton seed, I planted 100 lbs. on about 4 acres of 3 year old new ground in bottom of which hard pan is very close. I had 1,630 lbs. Got 606 lbs. lint cotton and will have about 300 lbs. more to pick. I have not sold yet, so cannot give you price. From my observation Half and Half is best cotton for our section here.

Mr. Jno. R. Cullins, Junction City, Ark., Nov. 18, 1924, writes: The seed I bought from you last spring I sold them to different parties about over the county and some in Louisiana and all the people that I have talked to about the seed are well pleased. I think about 45 lbs. of lint to the 100 lbs. of seed cotton and the kind of land it was raised on most of it is sandy, some dirt, but not much.

Mr. B. B. Breeland, Tylertown, Miss., Nov. 17, 1924, writes: I am well pleased with the Half and Half cotton seed I bought of you last spring.

Planted them on very old uphill land, using 400 lbs. of 12-2-1-65 fertilizer to acre when planting with 100 lbs. of nitrate of soda per acre when plowing second time. And with one of the dryest years in the history of our state have picked half bale per acre and on second crop will get ¼ bale more per acre. 1,260 lbs. seed cotton made bale of 530 lbs. 1,170 lbs. made bale of 480 lbs. or about 42% lint. Sold for about 23c. I am discarding all other seed and using Half and Half altogether.

Mr. Thomas Wilkinson, Nesbit, Miss., Nov. 17, 1924, writes: I am well pleased with cotton seed bought last spring. I planted on ordinary hill land, used 300 lbs. fertilizer (200 lbs. acid phosphate and 100 lbs. nitrate of soda). I picked off one acre 970 lbs. seed cotton. I ginned 1,350 lbs. and got bale weighing 543 lbs. I shipped it to Mississippi Cotton Association and it classed middling.

Mr. Martin Tucker, Box 274, Crenshaw, Miss., Nov. 19, 1924, writes: I bought your Half and Half cotton seed this spring and planted them on black land the 20th of April. I got four bales on four acres of land. I put 1,350 lbs. of seed cotton and it made 515 lb. bale and I got 23c. This is good short cotton.

Mr. James L. Cupit, Meadville, Miss., R. 2, Nov. 28, 1924, writes: I am well pleased with the Half and Half cotton seed purchased of you last spring. It was planted on sandy loam soil, clay subsoil. It made one-half bale per acre. Turnout at gin 48½ per cent. Sold for 22¾¢ per lb., which was top of market at that time.

Mr. W. E. Boushe, Grenada, Miss., Nov. 19, 1924, writes: The Half and Half cotton seed were satisfactory in every way. I bought from you 4½ bushels and planted 5½ acres. I think every seed came up. The land was average upland; 1½ acres was in my orchard and heavily shaded therefore did not give full yield. I gathered 4 bales from the 5½ acres. Had none been in orchard would have made bale per acre. The balance of my place was planted in Trice Cotton, which averaged ½ bale per acre. Next year my whole place will be planted in Half and Half cotton seed.

Mr. H. S. Williamson, Mendenhall, Miss., Nov. 21, 1924, writes: I like the Half and Half cotton seed very well. I planted the seed on ridge land, light sandy upland with clay soil. I used 200 lbs. nitrate of soda and 200 lbs. acid phosphate to the acre. I planted about 7 acres with the seed. I used an Avery planter with a hill dropper. Cotton made good with dry weather we had. I made 3 bales of cotton. Cotton turned out something like 41½% lint. The best turnout I had was 1,028 lbs. seed cotton. Bale weighed 448 lbs. The Half and Half cotton sold at the same price other cotton did.

Mr. R. R. Whitten, Crowder, Miss., Nov. 18, 1924, writes: I am very much pleased with this cotton. Planted on river bank land, nature of soil made land, leafy loam. 1,300 lbs. gave me a 500 lb. bale. All sold brought 23c. No difference in price of Half and Half and Improved Kings on market here. One plot of land of two acres produced 2½ bales. Have had calls for seed even before I was through picking.

Mr. Newton Cotten, Pioneer, La., Nov. 21, 1924, writes: I planted six acres in Half and Half cotton seed. It made extra good I think for the chance it had. We planted in April, got rain on it until the first of June was the last rain, only one little shower 15th of August. I planted on old land, but used nitrate of soda 1,000 lbs. to acre and stable fertilizer and made 2,700 lbs. of seed cotton, averaging 530 and 505 lbs. of lint cotton to the bale. On the market it brought 24c a lb., where the other short staple brought 23½¢ and 23¾¢.

Mr. W. M. Sidle, Capleville, Tenn., Nov. 17, 1924, writes: The Half and Half cotton seed bought from you in the spring came up fine. I planted these seed on good and bad hill land, using 300 lbs. 12-5-2 per acre and got a yield of 830 lbs. of seed cotton per acre. 1,230 lbs. seed cotton gave me 477 lbs. lint. 1,380 lbs. turned out 503 lbs. lint.



# BUCHANAN'S

## RECLEANED AND TESTED CLOVERS AND PASTURE SEEDS



### American Grown Alfalfa Seed

**ABOUT PRICES**—The prices of Clovers and Grasses are changing constantly, and were we to quote definite prices on large quantities in this catalogue they would probably be incorrect before we received your order. Send us a post card and immediately upon receipt of it we will send you our regular quotation card quoting our lowest prevailing prices.

#### ALFALFA OR LUCERNE CLOVER

**History**—Alfalfa probably originated in South-western Asia, although wild forms from which it might have sprung are found in China and Siberia. The name Alfalfa is of Arabic origin, and is translated to mean "the best fodder." Historical accounts indicate that Alfalfa was first cultivated in Persia, and that the Persians took it with them to provide forage for the horses and cattle of their armies when they invaded Greece about 490 B. C.

Alfalfa or Lucerne Clover is the most talked-of and most widely planted of all the varieties of clover in the world. It is said that the feeding value of a ton of Alfalfa is equal to a ton of shelled corn.

The growing importance of Alfalfa as a hay crop, for economic dairy feeding and for building up the soil makes it advisable that the farmer have a clear understanding about certain factors necessary to a good stand. Read carefully inside front cover on Alfalfa.

Prices on this page Post Paid  
Quantity Prices—Yellow List Enclosed

**1049—HARDY NORTHWESTERN**—So called for it comes from those states like Utah, Idaho and others where the winters are very cold, therefore producing hardy alfalfa. 1 lb., 45c; 5 lbs., \$1.75; 10 lbs., \$3.35; 15 lbs., \$4.75; 25 lbs., \$7.50

**1050—BUCK BRAND ALFALFA**—Grown in the State of Kansas, and during our 37 years in the seed business we have shipped this seed to every Southern state. Our annual sales now amount to many thousands of pounds each year, and after 37 years' experience we call it the best upland American-grown alfalfa. 1 lb., 40c; 5 lbs., \$1.65; 10 lbs., \$3.00; 15 lbs., \$4.25; 25 lbs., \$6.25

**1051—DAKOTA No. 12 ALFALFA**—This variety is the result of years of careful breeding and represents the highest type of alfalfa. Dakota produces exceptionally hardy alfalfa, practically immune to winter killing. Stands drouth and heat as well. 1 lb., 55c; 5 lbs., \$2.10; 10 lbs., \$4.00; 15 lbs., \$5.75; 25 lbs., \$9.25

**1067—HARDY UTAH**—Often known as mile high alfalfa, because these seed are produced in the mountain valleys of Utah, more than 5,000 feet above sea level. In the mountains of Utah where this seed is grown the severe night temperatures often drop 35 degrees below the day temperatures. This seed, we believe, will stand more cold without winter killing than any alfalfa grown. 1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.90; 15 lbs., \$5.60; 25 lbs., \$9.00

**BEEHIVE ALFALFA**—Grown a mile high, at an altitude of 5,000 to 6,000 feet, where winter stays late and fall freezes come early, where the growing season is the shortest of any area in the United States. Beehive Alfalfa is sacked in sealed bags to facilitate sale by the dealer and for the protection of the buyer. 1 lb., 55c; 5 lbs., \$2.10; 10 lbs., \$4.00; 15 lbs., \$5.75; 25 lbs., \$9.25

**STATE CERTIFIED ALFALFA SEED**—This seed, of established certified origin, is produced by the most successful and dependable growers, the entire process being under state supervision from planting time. All cleaning operations are checked and supervised by Crop Improvement Association inspectors; the seed is graded, tagged and sealed by the association. No noxious weeds allowed in state certified seed. 1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.90; 15 lbs., \$5.60; 25 lbs., \$9.00



Mowing Alfalfa on a Kansas Farm

**RECLEANED CLOVER SEEDS**

For Best Results with All Clovers, Inoculate the Seed  
All Prices on This Page Post Paid  
Prices Not Prepaid—See Yellow List Enclosed

**1053—RED CLOVER (Medium Red Blossom)**—Southern farmers are fast realizing the great value of this crop for pasture, for hay, as a soiling crop, and for fertilizing. It is largely planted in Louisiana, Mississippi, Tennessee and other Southern states, being admirably adapted to the valley lands of Alabama, Mississippi, Louisiana and states farther north. It makes two or more cuttings of hay each season, and is fine for pasturage in combination with other clovers and grasses. Sow seed during the fall and spring, at the rate of 12 to 15 pounds to the acre. A bushel weighs 60 pounds.

1 lb., 45c; 5 lbs., \$1.95; 10 lbs., \$3.75; 15 lbs., \$5.40

**1054—RED CLOVER (Mammoth or Sapling) (Red Blossom)**—It greatly resembles the Medium Red, but grows coarser and more vigorous. It is the best clover for pasturage, as it will produce an enormous yield and is of the highest feeding quality, but not as desirable for hay. Specially desirable for hog pasture.

1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.90; 15 lbs., \$5.60

**1055—ALSYKE OR SWEDISH CLOVER (Delicate Pink)**—This is one of the hardiest varieties known. It is perennial and does not winter kill. It will do better on moist land than any other variety of clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Red Top Grass and Timothy, and the quality of hay thus produced is excellent. It is fine-stemmed and leafy, and thus is quickly cured. Sown alone for forage, 12 pounds per acre; in mixture, Alsylke 4 pounds, Red Top 6 pounds, Timothy 5 pounds.

1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.00; 15 lbs., \$5.75

**1057—SWEET CLOVER (White Blossom)**—A variety of clover which, while young, resembles alfalfa, but on mature development grows from 4 to 6 feet in height. It is extremely vigorous and especially adapted to waste lands, though by many prominent farmers and stock raisers is used on good land for a forage crop. It is very vigorous in growth, standing frost and drouth remarkably well, the tap root penetrating the soil deeply. Sweet Clover is one of the most valuable crops for bees, being the main honey plant in many sections. Can be sown either in spring or fall, preparing and sowing as you would for Red Clover. Sow 12 to 15 pounds to the acre.

1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.50; 15 lbs., \$3.45

**1066—HOP CLOVER (Yellow Blossom)**—An annual found in Canada and most of the United States. Grows about 6 to 8 inches high. Very similar to Japan Clover. Its differences are yellow blossoms instead of the purple of Japan. More upright growth. Its growing season is from very early spring until mid-summer, while Japan makes most of its growth from mid-summer to late fall. Feeding value is just as good as Japan. Hop Clover is especially valuable when sown very early with Japan Clover on Bermuda sod or with any grasses, clovers or mixtures which do not make a heavy early spring growth. It is the earliest and fastest growing clover adapted to Southern soils and climate.

1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.00; 15 lbs., \$5.50

**1056—WHITE OR DUTCH CLOVER (White Blossom)**—Largely used for sowing on lawns, mixed with Kentucky Blue Grass and other grass seeds, and is very valuable because it supplies nitrogen to the soil and increases the fertility and makes the plant root more available for the use of the grasses. It is of value to the summer pastures and should be used in all grass seed mixtures sown for either lawn or pasture.

1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.90; 15 lbs., \$5.60

**1060—CRIMSON CLOVER (Scarlet Blossom)**—Succeeds on almost any good soil. Sown at the rate of 15 pounds per acre any time after August 15th and up to November 1st, or can be sown between cotton or corn during August, using 6 to 10 pounds to the acre. Crimson Clover furnishes good hay and adds fertility to the soil. For best results, inoculate seed.

1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.50; 15 lbs., \$3.45



Red Clover in Blossom

**1062A—SPOTTED LEAF BUR CLOVER**—Bur Clover will grow on almost all types of soil and can be depended on to add humus and nitrogen to the soil annually without sacrificing the regular summer crop, and is one of the cheapest legumes that serve as a winter cover crop. If it is allowed to mature a crop of seed before plowing under, it will reseed itself for a number of years. Fancy hulled seed.

1 lb., 45c; 5 lbs., \$1.95; 10 lbs., \$3.75; 15 lbs., \$5.40

**SWEET CLOVER (Melilotus Alba)**—Requires a lime soil—when lime is in the soil or supplied with crushed lime rock, this plant will furnish more nitrogen for soil improving for less money than any legume known. Inoculate the seed—it is the best clover to plant in preparing your land for alfalfa.



Sweet Clover-White Blossom



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

## LESPEDEZA SERICEA

A perennial legume.  
It grows like alfalfa.  
Multiplies rapidly.  
It is a heavy seeder.  
Thrives on poor land.  
Thrives on sour land.  
Enriches the soil.  
Lives through the winter.  
Has enormous root system.  
Stands severe drouths.  
Does not require lime.



## LESPEDEZA SERICEA

It's an acid soil legume.  
Comes from crown root.  
Will last indefinitely.  
It is high in feed value.  
It is the alfalfa for sour and thin soils.  
Produces three cuttings yearly.  
Produces three tons hay to cutting.  
First planting seeds should be inoculated.  
Good grazing plant.  
Has deep root system.

# LESPEDEZA SERICEA THE POOR LAND ALFALFA

### INTRODUCTION

I have sold seeds in Memphis for 37 years and have never recommended any new variety of seed to my customers until it had been thoroughly tried by our experiment stations. I sincerely believe Lespedeza Sericea to be the greatest seed introduction to our Southern Farmers in the past 100 years.

Lespedeza Sericea was introduced into this country about ten years ago; the seed are of Asiatic origin; there are three known strains of this seed. I will write only of the original strain (No. 12087), as the other two strains have shown no marked improvement over the original.

### TREATING OR SCARIFYING SEEDS

It has been proven that untreated or unscarified Sericea seeds will only germinate about 4% to 6%, while treated or scarified seeds will germinate under ordinary field conditions about 85%; therefore we are scarifying all Sericea seed, as well as testing for germination before shipping, and you can depend on receiving only Sericea seeds that have been properly grown, certified, scarified, inoculated and tested for germination when you buy from us.

### RATE OF SEEDING

It will take about 2 pounds of scarified seed to sow an acre, planting it about as you would Turnips or Mustard in 2½-foot rows—1 ounce will sow about one 50-foot row; it requires about 25 pounds to broadcast an acre. The seed are scarce and will be for two or three years, owing to the heavy demand from both North and South America; we therefore quote in small quantities, that you may plant a few rows to supply seed for the following season.

### ANNUAL OR COMMON LESPEDEZAS

All prices given below post paid. Write for prices on larger quantities.

**1061—LESPEDEZA (JAPAN) CLOVER**—Lespedeza is the one seed that the Creator of All Things sent to us of the Southland to restore our worn cotton lands. Lespedeza is the salvation of Southern worn hill lands, and it produces a good hay crop on rich bottom lands. Lespedeza has never failed to grow on any soil in the Middle or Southern States, and while it will grow year after year on hard, compact, uncultivated soil, it will respond in a marked degree to cultivation. Lespedeza being one of the leading crops of the South, we have made an exhaustive study of its growing and seed conditions, and we are fitted to take care of your wants if you want the best, cleanest seed obtainable, free of Johnson Grass and Wild Onions. Sow in February, March or April. Seeds weigh 25 pounds per bushel. Sow 20 to 25 pounds per acre. Price—1 lb., 15c; 5 lbs., 65c; 10 lbs., 90c.

**1080—KOBÉ LESPEDEZA**—A new and improved type of Lespedeza which grows much ranker and has larger leaves and slightly coarser stems. It has been known to grow 38 inches tall, but usually about 2 to 2½ feet. Possibly due to its rank growth, completely shading the ground, and thus retaining moisture, it is much more resistant to dry weather than common Lespedeza.

FOR QUANTITY PRICES,  
SEE YELLOW LIST ENCLOSED

### TIME OF SEEDING

As the young plants of Sericea will only stand light frosts and are not as hardy as our common annual Lespedeza in frost resistance, we advise planting the scarified Sericea in the spring after danger of heavy frosts or after the ground is warm, or about corn planting time.

### WE INOCULATE THE SEED

We want you to be successful with your first planting of Sericea, and are therefore inoculating all Sericea seed we ship with Nitragin, which we consider the best inoculation manufactured.

### THE SEED CROP

In trials at the Agriculture Experiment Station, Knoxville, Tenn., the yields of seed from plants more than one year old have varied from 200 pounds to the acre in an excessively dry season to 900 pounds in a favorable year. The weight per bushel of clean unhulled seed is about 35 pounds, and hulled seed nearly 60 pounds. The number of unhulled seeds is approximately 100,000 to the pound; of cleaned hulled seeds, 225,000 to the pound.

### POOR LAND ALFALFA

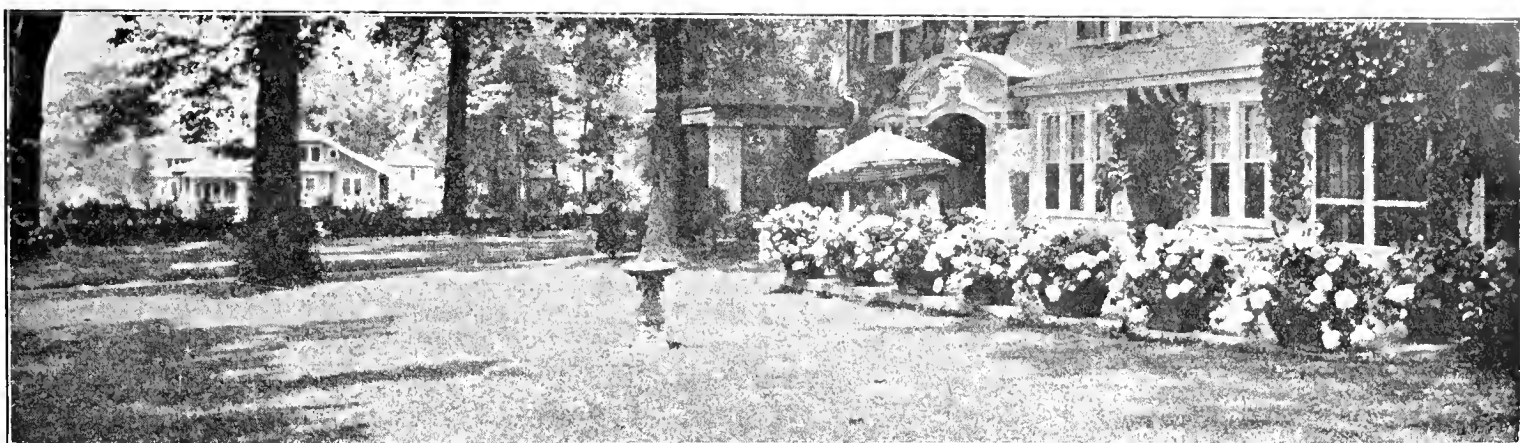
**1077—Lespedeza Sericea** is called the poor land alfalfa because it is a perennial legume plant sending up new shoots after cutting or grazing from the crown or root like alfalfa. It will grow, thrive and thicken on poor, thin lands where alfalfa or other clovers will not grow; it will grow on sour soils without the addition of lime; it will last for years without reseeding. Price—1 oz., 15c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 75c, post paid. Write for prices on larger quantities.

**Kobé flowers** in August and ripens the seed in October. An excellent variety for pasture and hay. Price—1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.50.

**1078—TENNESSEE STATION NO. 76 LESPEDEZA**—This variety is similar to the common or wild variety, except that it is taller and more upright in growth, holding all the branches off the ground, even when the plants stand alone. It is finer stemmed than either Korean or Kobé, and grows to the height of nearly 3 feet under favorable conditions. It blooms slightly later than Kobé and considerably later than Korean or common. It remains green until killing frost, furnishing excellent pasture after the others have lost their leaves. Price—1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.50.

**1079—KOREAN LESPEDEZA**—A new variety and the earliest of the annual Lespedezas. It comes up early in the spring and grows rapidly, furnishing much earlier pasture than any other variety. The leaves are larger than common Lespedeza, and more rounded. Begins flowering in July, the flowers crowding near the ends of the branches, as distinguished from other varieties, which have flowers scattered along the stems. Korean is especially suited for a short growing season. Seed ripens in September. Price—1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.50.





## GRASS SEEDS FOR LAWN, PASTURE AND HAY

### HINTS ON FORMATION OF LAWNS

Spade or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps, and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of 2 inches. Soil may be enriched by bone meal or commercial fertilizers, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed are germinating, it will invariably perish. When the grass is three inches high it should be cut and rolled, and every week or so thereafter until the grass has become firm. Eradicate weeds whenever they appear, without disturbing the grass. Should bare spots appear, rake the surface and sow more seed.

**QUANTITY TO SOW FOR LAWNS**—You cannot sow too much; the more, the better; it means quicker, more satisfactory and lasting results. We recommend, on new ground, for average mixtures, to sow as follows: 2 pounds on 600 square feet (20x30); 5 pounds on 1,500 square feet (30x50). For renewing old lawns, call to see us or write, giving full information regarding the present condition of your lawn.

Prices on grass seeds are constantly changing. Write when wanted in quantities.

**1117—BUCK BRAND PERMANENT LAWN GRASS SEED**—By far the best mixture of grasses offered for the purpose of quickly producing a permanent lawn. It is prepared from our own formula, and is a careful blending of varieties adapted to producing the thick growth and velvety appearance so much sought after. Each variety of grass in its composition is there for a special purpose; some for making strong, fibrous roots, which take hold upon the soil and keep the turf in place; others of a creeping nature quickly fill up any bare spots which may be caused by the taller sorts dying down; varieties which are useful for their color value, and also kinds that are able to withstand the beating rains.

1 lb., 50c; 5 lbs., \$1.95; 10 lbs., \$3.60; 15 lbs., \$5.25

**1118—BUCK BRAND SHADY LAWN GRASS SEED**—Usually it is not difficult to obtain good turf under trees if the correct seed varieties are used. In very stubborn cases, where the shade is excessive, it may be necessary to remake the lawn every season for two or three years, in which case procedure may well be as follows: Add lime every autumn at the rate of 1 pound to each 20 square feet; fork the land lightly in the spring, and apply Pulverized Sheep Manure at the rate of 1 pound per 20 square feet; rake smooth and sow Buck Brand Shady Lawn Grass Seed; rake again to cover the seed and either roll with a light roller or flatten with the back of a spade; sow some further seeds to renovate the lawn at the end of summer. Use as a minimum allowance 1 pound of seed for each 10 feet by 30 feet; sow at half these rates when renovating a lawn, and use double this quantity for quick results.

1 lb., 60c; 5 lbs., \$2.15; 10 lbs., \$3.75; 15 lbs., \$5.45

**1056—WHITE DUTCH CLOVER**—Excellent for use on lawns; forms a close, very dwarf herbage and remains green throughout the season.

1 lb., 50c; 5 lbs., \$1.95; 10 lbs., \$3.60; 15 lbs., \$5.25

**1107—WINTER RYE GRASS**—Very valuable for annual pasture; also for lawn purposes. It makes a very heavy leaf growth for pasture. Used extensively throughout our section for lawns. Use it in Bermuda sod to keep the lawn green during the fall, winter and early spring, when the Bermuda is dormant. Sow from September until March for lawns at the rate of 1 pound to each 10 feet by 10 feet; for pasture, 40 pounds to the acre.

1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.50; 15 lbs., \$1.95

**1100—BERMUDA GRASS (Unhulled)**—A great boon in the South for pasture; when once established, no amount of drouth or hot weather will kill it out. It succeeds on nearly all soils, furnishing a constant growth of grass during the summer, but becoming brown and bare during the fall and winter. It cannot be recommended too highly for pasture and general culture in the South, and it is also excellent for summer lawns. Its strong, creeping roots will absolutely prevent wash. Sow April to July (12 pounds to acre).

1 lb., 45c; 5 lbs., \$1.90; 10 lbs., \$3.60; 15 lbs., \$5.25

**1101—RED TOP OR HERD'S GRASS**—A hay and pasture grass. Succeeds on most kinds of soil, but does best on heavy or low, moist, stiff soils. By repeated mowing, this grass holds well during the summer, but its chief value is for winter pastures. Will stand wet weather admirably, growing well after being covered with an overflow of water for two or three weeks at a time. It is used largely for hay. For lawn and pasture mixtures it is invaluable. Sow 15 to 20 pounds of our fancy re-cleaned solid seed to the acre.

1 lb., 45c; 5 lbs., \$1.90; 10 lbs., \$3.60; 15 lbs., \$5.25

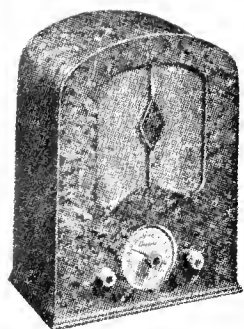
**1103—KENTUCKY BLUE GRASS**—A lawn and pasture grass, succeeding best on limestone land, but does well on stiff clay and medium soils. Forms a compact sod and stands tramping exceptionally well. In most sections of the central South it is largely sown for lawn purposes also, as it remains almost dormant during the hot weather, and improves after the first year on suitable soil until you have a beautiful stand. Its principal value in pasture seeding is for mixing with Lespedeza, Bermuda, Carpet Grass, and other summer growing grasses, clovers, etc. Sow about 40 pounds to the acre, preferably during the early fall or spring.

1 lb., 45c; 5 lbs., \$1.90; 10 lbs., \$3.60; 15 lbs., \$5.25

**1111—SUDAN GRASS**—Can be drilled in with a grain drill or sown broadcast by hand, 16 to 24 pounds per acre. Sudan Grass is easy to cut with a mower and cures readily, so that the process is much the same as that of millet or any other hay grass, and yields from 2 to 4 tons of cured hay per acre. It is best to cut just after full bloom, so that it will have as much time as possible for the second growth. After cutting it renews its growth promptly, and in about 40 to 50 days another cutting is ready. Sudan Grass grows abundantly after the first cutting, and the second is very fine-stemmed.

1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.35; 15 lbs., \$3.25

PRICES ON GRASS SEEDS ARE CONSTANTLY CHANGING. WRITE WHEN WANTED IN QUANTITIES

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

The Grunow 460

**GRUNOW RADIO, MODEL 460**

A compact, high quality, 4-tube AC receiver with a pentode output tube. Ranges from 540 to 1740 kilocycles, which include first police band. Illuminated aeroplane dial with knob in center. 8-inch Synchro-dynamic speaker. Cabinet of Bird's-Eye Maple principally, sturdily built with a view to proper baffling of speaker. Height 13½ inches, width 10½ inches, depth 6¾ inches. Weight 20 lbs., packed for shipping.

**PRICE AT STORE, \$24.50**

**AGRICULTURAL TEACHERS:** The radio is the greatest educational invention of modern times. A small set on your desk will be a wonderful help to yourself and students—especially the broadcasts by the Agricultural Department at Washington, D. C. If you care to make up the amount to purchase either of these radios among your students for use in your school, I will donate \$3.00 on the purchase price. This offer also applies to those who will install the radio in a public place for benefit of those interested in agricultural broadcasts.

We have a Grunow 460 in operation at our Store.

**Mr. Buchanan Broadcasts Mondays and Wednesdays over WREC, at 12:30; Tuesdays and Thursdays over WMC, at 12:45**

**THE SOUTH NEEDS MORE PASTURES**

Grass "buries the mistakes of mankind." There is sore need for it to perform such a mission now. For the mistakes of mankind scar the land.

For several years past we have had an enormous demand from customers all over the South for mixtures of grass and clover seeds suitable for permanent pastures.

Scientifically prepared mixtures of grasses and clovers adapted to growing with each other will, in most cases, give much better results than would be the case if one, or even two, plants were sown alone. The soil in the same fenced pasture may vary considerably in both quality and texture, and particularly in such cases a properly prepared mixture will demonstrate its superiority over any one or two plants sown alone. This, as well as other advantages, are to be gained, we find, in sowing different clovers and grasses in a mixture—one serves as a nurse crop for the other, and they do better than when sown alone.

We have given this matter a great deal of study—visited numerous pastures in different sections in order to get first-hand information direct from the parties who actually planted the seed.

With the above information, we now offer you prepared mixtures, carefully proportioned, for different sections of the South, which we believe will prove satisfactory to our customers.

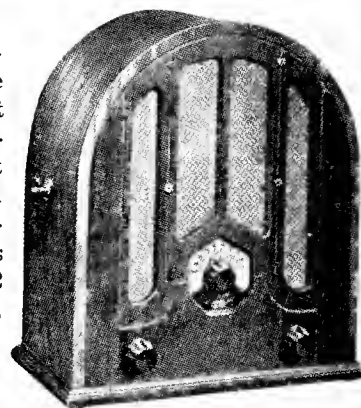
The quantity of seed to be sown per acre varies according to the condition of the soil and the method and care used in planting. Measured in pounds, the quantities vary according to the size of the different seeds.

All grass seeds listed on pages 61, 62 and 63. Read carefully our five mixtures on page 63 to determine the one best suited to your needs.

**R. C. A. VICTOR RADIO**

**Model 126-B**—A 6-tube Standard Battery Superheterodyne with 6-inch permanent magnet speaker, tone control, illuminated dial and 1-watt output (range from 540 to 1600 kc.). In Cathedral-type cabinet of two-tone walnut finish. 13 7/16 inches high, 11 15/16 inches wide, 6 19/32 inches deep. Weight 18 lbs., packed for shipping.

**PRICE AT STORE, \$39.95**  
**Without Batteries**



R. C. A. Victor 126-B

A really fine battery radio, in convenient size and at an attractive price. The 6-tube Superheterodyne with permanent magnet speaker and tone control will bring you many happy hours of enjoyment. It uses one of the new aircell batteries, which means no bother and mess with acids. The battery drain is surprisingly low. And, of course, the batteries may be purchased anywhere.

**HULLED BERMUDA GRASS**

**Revolutionizing Bermuda Lawn-Planting**

**1102—HULLED BERMUDA GRASS**—Same as unhulled, on page 61, but the hull is removed. This new process promotes quicker germination. Our tests show that the hulled type will germinate fully within 8 to 10 days, while the regular unhulled types takes from 21 to 30 days. This should revolutionize the planting of Bermuda lawns, the only objection to Bermuda seeding before being the length of time necessary for germination. It is more economical; half the quantity of seed required per 100 square feet for planting; and Bermuda will stand more hot sun and tramping than any grass known.

**1 lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.75; 15 lbs., \$6.95**

**1123—POA TRIVIALIS**—A fibrous rooted perennial grass that is valuable on account of its quick growth, productiveness and nutritious qualities. It starts early in the spring and continues green till late in the fall, growing to perfection on rich, moist soils and in shaded places. As it prefers shelter, the best results are had by sowing it with other grasses, such as red top or herd's grass and Kentucky blue grass. A splendid grass for mixed permanent pastures.

**1 lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.75; 15 lbs., \$6.95**

**ABOUT SORGHUMS**

One well-known authority writes: Your letter of October 18 in regard to the identification of varieties of sorghum in the threshed grain brings up the problem that we have been struggling with here for many years. There seems to be no one who can identify even a majority of the different varieties of sorghum with a high degree of accuracy. The sorghums cross or hybridize readily in the field and, since they have been used mainly for forage, particularly the sweet-juiced varieties, there has not been a very consistent attempt to keep them pure.

**SAVING LESPEDEZA HAY. READ PAGE 60—DESCRIPTIONS OF FIVE VARIETIES**

Lespedeza is the one seed that the Creator of All Things sent to us of the Southland to restore our Worn Cotton Lands  
All Prices on This Page Post Paid. See Yellow Price List Enclosed for Quantity Prices.



## BUCHANAN'S GRASS SEED AND MIXTURES FOR HAY AND PASTURE

For farmers who are intending to put land down permanently to grass, our special Grass and Clover Mixtures are decidedly better than sowing two or three varieties together.

All Prices on This Page Post Paid. Prices Not Prepaid—See Yellow Price List Enclosed.

**1104—ORCHARD GRASS**—A hay and pasture grass. A coarse-growing bunch grass, furnishing good grazing in early spring and late fall. Its growth is checked during the hot weather; it will endure considerable rough treatment without injury and should be kept closely grazed for best results. Does best on moist or heavier clay soils; will stand much shade and is excellent for woodland pastures and for sowing in gullies, to prevent erosion. Yields from 1 to 3 tons of hay per acre. Throughout Florida and in parts of other Southern States, Orchard Grass is extensively sown during the early fall and spring for lawn purposes. Sow about 15 pounds to the acre of our extra fine, re-cleaned seed.

1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.25; 15 lbs., \$4.50

**1105—PASPALUM DILATATUM, OR DALLAS GRASS**—Also known as Large Water Grass. It is a smooth perennial, with deep, strong root system and grows in clumps or bunches 2 to 4 feet high. The leaves are numerous near the ground, but few on the stems. The stems are slender and usually drooping with the weight of the flower clusters. In the South it makes an all-year-round grazing and hay grass, where it spreads naturally. Owing to its tendency to lodge, this grass is better suited for pasture than for hay. It is one of the best winter pasture grasses for heavy, moist, black soils. It remains green all winter unless injured by severe frosts, and persistent grazing will not injure it.

1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$3.95; 15 lbs., \$5.80

**1106—CARPET GRASS**—Its creeping habit enables it to bear close grazing without injury. It is strictly a pasture grass, seldom growing large enough to be worth cutting for hay. It will stand close grazing and heavy trampling better than any other grass in the Gulf region. Carpet Grass pastures are readily established by seeding at any time from early spring to late summer on well-firmed seed bed when moisture conditions are favorable. The carrying capacity of good carpet grass pasture is one cow to the acre for the five best months, and one cow to two acres for three to five months longer. Lespedeza, white clover, vetch are desirable in mixture with Carpet Grass. Italian rye may be used as a winter mixture. To secure a full stand of the grass promptly, seed should be sown at the rate of 10 pounds per acre.

1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.35; 15 lbs., \$3.25

**1108—TIMOTHY**—Timothy requires good land to make good crops—this applies particularly to Timothy, for, unlike other grasses, it does not enrich the soil, but exhausts it, so that top-dressing with stable manure or fertilizer is advised; the fertilizer should contain a liberal amount of ammonia. If sown with sapling clover the clover will help to supply nitrogen. Meadow Fescue or Randall Grass, Red Top or Herd's Grass and Sapling Clover all mature at the same season as Timothy, and are good grasses to sow with it for hay or grazing, increasing the yield of hay and the yield and value of the pasturage. A good mixture is 6 pounds Timothy, 5 pounds Red Top or Herd's Grass, 7 pounds Meadow Fescue, and 5 pounds Alsike Clover; this mixture will furnish an excellent hay and fine pasturage on good loamy soils or on low ground. If Timothy and Alsike Clover are sown together, mix 8 pounds Timothy and 6 pounds Alsike Clover.

1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.25; 15 lbs., \$4.50

**1112—BUCK BRAND SHADY PASTURE No. 1**—Composed of the grasses and clovers which grow best in the shade. As we know every farmer wants some shady spots in his pasture if it is possible to have same, also wants his shady ground to produce, therefore we furnish this mixture, composed of the following grasses and clovers: Kentucky Blue Grass, Japan Clover, Hop Clover, English Rye Grass, White Clover, Red Top, Orchard Grass, mixed, of fresh, clean, high germinating seeds. Sow 15 pounds to the acre.

1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.35; 15 lbs., \$3.25

**1113—BUCK BRAND UPLAND MIXTURE No. 2**—This mixture is our main pasture mixture or mixture for general planting and is composed of clovers and grasses which do well on our Southern uplands, mixed of high grade seeds: Perennial Rye Grass, Orchard Grass, Bur Clover, Alfalfa, Japan Clover, and Hop Clover. Sow 20 to 25 pounds to the acre.

1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.35; 15 lbs., \$3.25

**1114—BUCK BRAND LOWLAND PASTURE No. 3**—Almost every farm has some low land unfit for cultivation, owing to its remaining wet until too late to plant in the spring, and this very land would be made to pay well if sown with our Lowland Pasture Mixture. The formula for this mixture has been tried on many thousands of our Southern farms with excellent results. Mixed of following seeds: Alsike Clover, White Clover, Red Top, Timothy, Orchard Grass, English Rye Grass, Bur Clover, and Alfalfa. Sow 15 to 20 pounds to the acre.

1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.50; 15 lbs., \$3.50

**1115—BUCK BRAND PERMANENT MEADOW No. 4**—This special mixture for mowing hay is composed of grasses and clovers which ripen together for the first cutting, but it also contains smaller proportions of other grasses, which will increase considerably the second cutting and also add very much to the pasturage yield in case it is desired to use the field for pasturage afterwards.

Farmers are realizing more each year the value of those idle acres if put to work, and also the value of a hay crop, especially when the crop is improving the land. Many acres, considered worthless and grown up in weeds, have been brought back to a high state of fertility by running a few years in a meadow.

This mixture contains: Red Clover, Alsike Clover, Red Top, Perennial Rye Grass, Orchard Grass, Timothy, and Japan Clover. Sow 15 pounds per acre.

1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.35; 15 lbs., \$3.25

**1116—BUCK BRAND PERMANENT HOG PASTURE No. 5**—Is offered with the confidence that it will give stock raisers entire satisfaction. It has already been thoroughly tested and proved of great value for all kinds of stock. It contains four varieties of clover, besides many kinds of grasses. It is a substantial mixture which will prove a profitable investment to any farmer and, we are safe in saying, cannot be equalled anywhere. Composed of the following grasses: Red Clover, Japan Clover, Alsike Clover, Alfalfa, Orchard Grass, Rye Grass, Hop Clover, and Bur Clover. Sow from 20 to 25 pounds of seed to an acre.

1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.35; 15 lbs., \$3.25



PRICES ON GRASS SEEDS ARE CONSTANTLY CHANGING. WRITE ON QUANTITIES WHEN READY TO BUY.





Laredo Soy Beans

**WORTH KNOWING ABOUT SOY BEANS**

Soy bean hay is more nutritious than cow pea hay and stock like it better. As a milk and butter producer soy beans are equal to alfalfa and superior to cottonseed meal.

A bushel of soy beans is worth more for feed than two bushels of corn. They can be hogged down without any harvesting expense.

When cut at the proper stage of growth the hay is equal to alfalfa for dairy cattle.

Soy bean meal or ground soy beans will take the place of meat scrap in poultry feeds.

Drouth and excessive rainfall affect them less than cow peas.

It is one of the easiest crops to grow and harvest.

They make a fine hog pasture.

They can be grown with cow peas to hold the pea vines off the ground; will improve the quality of the hay and make it easier to cure.

They increase the yield of the following crop.

They make a rich and nutritious hay and one of the cheapest.

The beans always find ready sale at the oil mills and for planting.

It is one of the South's most economical soil improvers.

They require no fertilizers except acid phosphate.

**CROTALARIA SPECTABILIS****A New Summer Legume**

**1234—CROTALARIA SPECTABILIS**—Has proved itself to be an outstanding summer cover crop. It is a legume, adding nitrogen to the soil when turned under, equal to an application of 800 pounds of Nitrate of Soda per acre. A yield of 40,000 pounds of green material per acre is not uncommon. The organic materials produced by the decomposition of crotalaria are able to attack unavailable plant food materials, and make them useful to the succeeding crop. Produces more humus and more nitrogen per acre than any other crop. This makes it the cheapest cover crop to grow. Stock will not eat it, therefore it can be planted for soil building where there are no fences. It has succeeded in the Southern states and as far north as Indiana. It is not a host to injurious insects and diseases. It will re-seed each year and is not a pest. It is used as a summer cover crop and soil builder in groves, orchards, vineyards, etc. It is planted in corn and other farm crops at the last cultivation and makes a tremendous growth the same season. It will build up the worn-out land so common on every farm.

1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.65; 15 lbs., \$3.50

**SOY, OR SOJA BEANS**

All Prices Below Post Paid. Write for Prices on Quantities.

**CULTURE**—Soy Beans may be planted either broadcast or in drills. Usually a better crop is had when planted in drills and cultivated, and few crops leave the land cleaner and in better condition for the following crop. They grow equally well on light and heavy soils, but on heavy soils they should not be planted more than 1 to 1½ inches deep except in dry seasons. On light sandy soils plant deeper, but not more than 3 inches deep. When sown broadcast sow 1 to 1½ bushels to the acre, in drills about a peck to the acre. Plant in April, May, June or July.

**1225—SOY BEANS (Laredo Type) (Hay, 115 days; Seed, 140 days)**

—The Laredo Soy Bean is a medium early variety with a growing habit somewhat like the Otootan. The seed of the Laredo are very small, and one bushel will plant from 8 to 10 acres in 2½-foot rows. The seed should be dropped 3 to 6 inches apart in the drill for seed, and somewhat closer for hay. The seed should be covered very lightly, not more than 1 inch, and it is best to plant following a season. It is advisable to inoculate Soy Beans that are to be planted on land that has not grown this crop for several years.

1 lb., 20c; 5 lbs., 75c; 1 pk., 15 lbs., \$1.95

**1224—SOY BEANS (Biloxi Type) (Hay, 135 days; Seed, 165 days)**

—An upright variety, growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum, or for oil. The pods are less liable to pop than most varieties; in fact, they hardly shatter at all. Late in maturing, requiring a long season to mature, but make an unusually luxuriant growth.

1 lb., 20c; 5 lbs., 75c; 1 pk., 15 lbs., \$1.90

**1226—SOY BEANS (Otootan Type) (Hay, 140 days; Seed, 170 days)**

—Few Soy Beans can equal Otootan as a hay maker. Its late maturity is more than overcome by the abundant growth—5 feet and more in long growing seasons—its fine stems and abundant foliage, and the fine texture of its hay, which cures quickly. It differs from most varieties in having many leafy branches instead of a coarse central stem, making it easy to cut and easy to cure. Planted in 3-foot rows, they will cover the land with a mass of foliage.

1 lb., 25c; 5 lbs., 90c; 1 pk., 15 lbs., \$2.10

**1227—SOY BEANS (Mammoth Yellow Type) (Hay, 120 days; Seed, 145 days)**

—The most extensively grown for both beans and forage, both of which it yields in great abundance. It grows more than 3 feet high, is erect in growth and can be cut with a mower. Particularly valuable for the entire South for both beans and forage. Mammoth Yellow is one of the largest growers among Soy Beans, and the most widely grown variety, and excels in yield of bean hay. Broadcast Mammoth Yellow, like Cowpeas, 60 to 90 pounds per acre, or plant about 30 pounds per acre in 3½ to 4 foot drills. Cut for hay when pods are well formed, or let the beans mature if wanted for seed. They make a good main crop.

1 lb., 25c; 5 lbs., 70c; 1 pk., 15 lbs., \$1.80

**1230—SOY BEANS (Virginia Type) (Hay, 100 days; Seed, 125 days)**

—On account of its abundant growth and large yield of beans, the Virginia makes most excellent hay and ensilage. As it is about 20 days earlier than Mammoth Yellow, it can be sown further north and throughout the Corn Belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse, adapts it particularly well for hay making.

1 lb., 25c; 5 lbs., 75c; 1 pk., 15 lbs., \$1.90

**1232—SOY BEANS (Tokyo Type) (Hay, 120 days; Seed, 145 days)**

—A heavy producer of extra large pods and beans. It is a superior oil bean and for hogging down. Ten days later than Mammoth Yellow; holds its foliage and beans well; has a medium coarse stem, branching from the ground.

1 lb., 25c; 5 lbs., 70c; 1 pk., 15 lbs., \$1.80

**WE BUY SOY BEANS, STOCK PEAS AND CANE SEED**

If you have Soy Beans, Stock Peas, Table Peas or Cane Seed in small quantities, bring them to us. We give those having these small lots the same careful attention as we do the man who has car lots for sale. Should we have a full stock the day you come, we will help you get the market price from other buyers—we want you to get every penny you can for the seed you have to sell. We expect to see our new Riverside Auto Drive open in January, and along this drive there is free parking space for about 3,000 autos within two blocks of our No. 1 Store. See Map on page 3.

**BUCHANAN'S VELVET BEANS**

All Prices on This Page Post Paid. Write for Quantity Prices.  
The South's Wonderful Forage and Soil Improving Crop

**A Fine Fall and Winter Grazing Crop**—Velvet beans make an enormous growth, larger than any other known forage plant. As a soil improver they are considered superior to cow peas, making much larger growth and foliage.

**Makes Nutritious Fall and Winter Grazing**—In the South, velvet beans are used very largely for winter grazing. They should be allowed to grow until killed by frost, after which they can be grazed through the winter, as the vines, leaves and pods decay very slowly and remain palatable a long time.

Velvet beans are usually grown with corn. The corn is planted in 5-foot rows, 3 feet apart in the row, and the beans planted between the corn. At the last working, beans are planted again in the middles between the rows of corn. When the corn is dry it is pulled from the stalk, and cattle turned in to graze. Twenty pounds will plant an acre in 5-foot rows, 3 feet apart in the row.

**1228—100-DAY OR SPECKLED VELVET BEANS**—Although it will not mature the pods in 100 days, this is one of the earliest varieties and can be grown farther North than the common velvet beans. Far South they will mature in a season of average length. In more northerly sections, where the seeds will not mature, it will make a wonderful growth of vines for pasturing and finishing cattle, and a fine soil improver.

1 lb., 20c; 5 lbs., 70c; 1 pk., 15 lbs., \$1.45

**1229—MUNG BEANS**—A comparatively new bean that has thoroughly demonstrated its value to the South. Mung Beans should be planted in May for hay or turning under. They produce a smaller plant and make more seed if planted in June or early July. The seed are small and it takes from 3 to 5 pounds to drill an acre in 3½-foot rows. Broadcast, it takes from 15 to 20 pounds to seed an acre. Beans mature in 90 to 120 days, depending on the season.

1 lb., 30c; 5 lbs., \$1.00; 1 pk., 15 lbs., \$2.25

**1223—MAMMOTH BROWN** (Hay, 115 days; Seed, 140 days)—Makes a large upright growth, standing 3 feet or more, with plenty of foliage and an abundance of pods. It is a good hay bean, is a prolific yielder of beans, robust and is more disease-resistant than most varieties. Probably no variety is so well suited for planting with cow peas, as they mature nearly together. Mammoth Brown beans remain in the pod long after maturity. They are especially fine for late hog pasture.

1 lb., 25c; 5 lbs., 70c; 1 pk., 15 lbs., \$1.80

**1250—AUSTRIAN WINTER PEAS**—Disk about 25 to 30 pounds per acre about 2 inches deep in cotton middles for green manure. If sown for hay it is best to mix 25 pounds of peas with 1 bushel oats—oats hold the peas up to be cut.

Austrian Peas when used for soil improvement should be turned under the first half of March. When used for hay they are ready about the same time as oats planted the same time.

1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.35; 15 lbs., \$1.95



Speckled Velvet Beans



Southern Whippoorwill Peas

**BUCHANAN'S COW PEAS****FACTS ABOUT COW PEAS**

Pound for pound, cow pea hay is as valuable as clover hay. It is nearly equal in value to alfalfa and wheat bran. It contains four times as much digestible protein as timothy hay. Horses and mules need no grain through the winter when fed cured cow pea hay. The U. S. Department of Agriculture says: "No one thing can add more to the agricultural wealth of the South than the growing of cow peas." Makes a fine feed for work and beef stock and dairy cattle. Cotton can be grown for three successive years after a cow pea crop. Wheat and oat lands put into cow peas after harvest can be seeded to grain again in the fall, making two crops a year on the same land. Does not require expensive fertilizer, but adds nitrogen to the soil and improves its mechanical condition. They can be grown on any soil that is not too wet. There is no cheaper way to improve poor land than by growing cow peas. They add nitrogen and improve the mechanical condition of the soil.

**LEGUMINE - AID**

Should be used to inoculate all Soy Beans and Cow Peas.



## CANE SEED FOR SYRUP AND FORAGE

All Prices on This Page Post Paid. Write for Quantity Prices.  
**BUCHANAN'S HONEY DRIP SYRUP CANE**



German  
Millet

### HUNTING PRESERVES

We expect to devote more time and space in future catalogues by co-operating with Federal and State Authorities and owners of hunting preserves in the protection of wild life; by investigating their feeding problems, and supplying their needs.

**CULTURE**—Plant this cane seed on rich land during April or May in drills (4-foot rows) at the rate of 12 to 15 pounds per acre. Cultivate like corn and chop out like cotton, leaving plants about 10 to 12 inches apart in the row. One seed will stool out and produce 3 to 5 stalks, 10 to 12 feet tall. It usually produces 30 to 50 bushels of seed per acre, and 125 to 200 gallons of syrup per acre, of a fine flavor and always sells well. Cut for making syrup just before seeds ripen, as the plants have more sugar at that time. If you desire to save seed, let the plant mature and cut when fully ripe. Seed heads should be cut and cured in the field. This variety produces an abundance of splendid fodder. Some syrup makers do not pull the fodder, but run stalk and fodder through a cane crusher to save labor. This method causes the syrup to be darker in color than if the fodder is pulled.

**1194—BUCHANAN'S HONEY DRIP SYRUP CANE**—It is two weeks later than Amber or Orange and makes a larger stalk and fully more than one-third more fodder than either; it is especially recommended for silos. It is an all-purpose type sorghum cane for syrup, silage, fodder and seed. Orange, Amber and Red Top Sorghum are not good for syrup making, and it is our experience that Texas Seeded Ribbon Cane cannot always be depended on for purity. It is somewhat similar to the Seeded Ribbon Cane, but can be depended upon and is a vastly better cane for all its purposes all the way through. It is a valuable crop for feed, seed and syrup. Five pounds is enough to plant one-third of an acre, a plenty to give every planter seed to try it out for himself and to get a good start.

1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.65; 15 lbs., \$2.25

**1185—GERMAN OR GOLDEN MILLET**—It matures in from 6 to 8 weeks after seeding. Cut while in bloom, before the seed hardens in the head, as after that the hay quality decreases. There are two necessities for a successful crop of Golden Millet—first, rich or highly manured soil; second, Southern-grown seed, that from Tennessee being best.

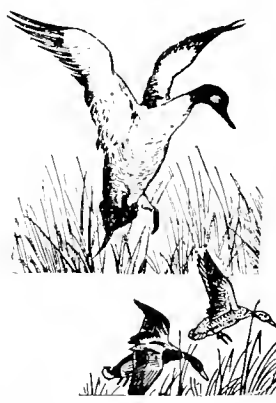
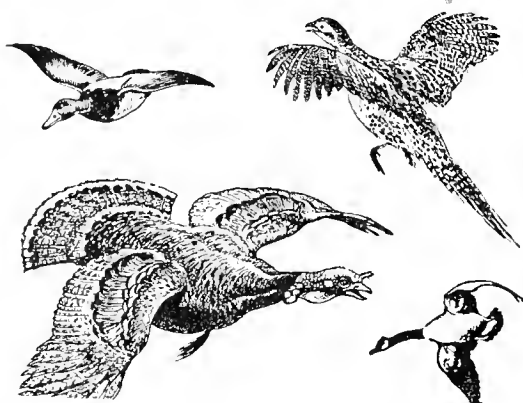
1 lb., 20c; 5 lbs., 75c; 10 lbs., \$1.25; 15 lbs., \$1.65

**1187—JAPANESE OR BARNYARD MILLET** (Called Billion Dollar Grass)—Distinct from other millets; grows 4 to 6 feet high, yielding an enormous crop that in quality is equal to corn fodder and is relished by stock. Sow in May, June or July, 20 pounds to the acre broadcast; or plant in 15-inch drills and cultivate until it is 18 inches high. When green, feed a moderate quantity at first, gradually increasing the quantity as the animals become accustomed to it. This millet is used in great quantities by Southern Hunting Clubs for wild duck feed.

1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.65; 15 lbs., \$2.00

**1188—PEARL OR CAT-TAIL MILLET** (Also called Pencillaria)—If allowed to attain its full height, Pearl Millet will grow 10 to 12 feet high, but for the greatest amount of green feed it should be cut when 3 to 4 feet high. It will then stool out enormously, and during warm weather will grow with wonderful luxuriance. Give three or four cuttings a season, and keep on growing right up to frost. It does well even on poor land, and surprisingly well in dry seasons. All kinds of stock eat it greedily and flourish on it; it is highly nutritious. It is a warm weather plant, and should not be planted till the ground is thoroughly warm, otherwise the seeds will not germinate. Plant 5 pounds to the acre, in drills 3 feet apart.

1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.75; 15 lbs., \$2.25



Wild game is disappearing rapidly. Your State and Federal Governments ask you to help save it by feeding and protecting it. Join the Wild Life Conservation Program: Observe the game and fish laws; make constant war on the hawk and all predators, thereby increasing your sport.

### BUCHANAN'S GAME BIRD SEEDS

#### For Hunting Preserves

Attract game birds to your farm by shelter feeding them during the winter with Buchanan's Game Bird Scatter Food, and by growing crops on which they like to feed.

**1201—BUCHANAN'S GAME BIRD SCATTER FOOD**—Our formula was prepared by a high authority on game bird feeding. It is composed of cracked grains and the seeds on which they love to feed. Scatter near the edge of woods or brush. This mixture is held in high favor, especially by game preserve owners, who are using it in increasingly large quantities. Write for prices.

**GAME BIRD SEEDS FOR PLANTING**—The Federal Game and Inland Fisheries Commission recommends the planting of the following crops for game bird feeding: Korean lespedeza, buckwheat, brabham, groit and black-eye peas, shallu Japan clover, hairy vetch, German millet, laredo soy beans, kaffir corn, benne, wheat and rye.

**1202—BENNE SEED**—The Sesamus Orientale, or Oil-Plant of the West Indies, from the seeds of which an oil is extracted, called Benne Oil, used in medicine as a laxative. Game birds of all kinds love it, and it is very fattening. It is especially adapted for growing throughout the Cotton Belt.

1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.45; 15 lbs., \$2.60



**BUCHANAN'S FORAGE SEEDS**

All Prices on This Page Post Paid  
Prices Not Prepaid—See Yellow List Enclosed

**SPECIAL ATTENTION**

**NON-WARRANTY**—Owing to the peculiar hybridization of syrup cane varieties, it is impossible to guarantee any of the varieties here listed. We have selected all the syrup cane varieties on our list with best possible care, but at the same time do not guarantee that they will come true.

All orders for syrup cane varieties are therefore accepted only on these conditions.  
R. B. BUCHANAN.

**Cane Seed, Saccharine Types for Forage**

**1195—Cane (Texas Seeded Ribbon Type)**—This cane gets its name from being a variety that closely resembles the true Ribbon Cane raised from cuttings. We recommend this cane for silage, and we do not recommend it for syrup making.

1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.25; 15 lbs., \$1.75

**1198—CANE (Early Amber Type)**—The earliest type in cultivation. Stalks tall and slim. Most suitable for hay, as it matures very quickly.

1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.25; 15 lbs., \$1.75

**1197—CANE (Early Orange Type)**—Largely used for hay and fodder. It is taller and has heavier stalks than the Early Amber.

1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.25; 15 lbs., \$1.75

**1199—CANE (Red Top Type)**—Later, larger growth and better drouth resister than Amber and Orange. Growing in favor in the Southeast.

1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.25; 15 lbs., \$1.75

**Cane Seed, Non-Saccharine Types for Forage**

**1212—CANE (Sagrain Type)**—It does well on all heavy types of soil; thrives under the same adverse conditions as sorghum, and produces six to seven tons per acre, one to two tons of which is grain. The grain is similar to that of the Kaffirs, which means it has nine-tenths the feeding value of corn. Sagrain can be fed to mules, cows, hogs and other animals and is relished by all.

Sagrain should be planted on well-prepared seed beds in 3 to 3½ foot rows, 8 to 10 seeds per hill every 10 to 12 inches. A blank corn plate with ⅜ inch holes, properly spaced, will do the work. One bushel will plant 6 to 8 acres, and the Sagrain should be thinned 3 to 5 stalks per hill. It matures in 70 to 75 days.

1 lb., 25c; 5 lbs., 85c; 10 lbs., \$1.35; 15 lbs., \$1.90

**1217—CANE (Grohoma Type)**—Wonderful claims have been made for this new Grain Sorghum. Grows 4½ to 5 feet high. The first grain crop (the spike-heads) matures in about 90 days. Harvest and let branch heads mature, then cut stalks intact for bundle or silage feed. Grain-heads are 10 to 18 inches long and yield over 100 bushels per acre. Rule is to plant two 3-foot rows and skip one, thinning to 1 foot apart in row. After harvesting main grain crop, plant open rows to some cover crop. Cultivate same as cotton or corn. Five pounds plant an acre.

1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.25; 15 lbs., \$1.75

**1216—CANE (Egyptian Wheat Type)**—If it is used for fodder purposes it may be cut about three times a year, yielding in the three cuttings from 5 to 7 tons per acre. Grows 6 to 8 feet high. Plant from January until July, depending upon your locality. We recommend sowing 10 pounds to the acre in rows 3½ to 4 feet apart. Sow broadcast at the rate of 25 pounds to the acre.

1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.85; 15 lbs., \$2.35

**1210—CANE (White Kaffir Type), and 1211—CANE (Red Kaffir Type)**—These two varieties become more valuable every year because of their drouth-resisting qualities. Grow 4 to 5 feet high, are very stocky and leafy; valuable alike for forage and grain. Plant from March to July, in rows 3 feet apart, drilling seed thinly like sorghum. If wanted for grain principally, let heads mature on the stalk and then the whole stalk may be cut for fodder after the seed heads have been cut.

1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.20; 15 lbs., \$1.65

**1213—CANE (Yellow Milo Maize Type)**—This makes a thick, succulent growth of forage, very nutritious and of splendid milk-producing qualities; and, like sorghum, can be cut over two or three times where it is desired to cut for green forage. Makes excellent ensilage. Can be cured same as other sorghums.

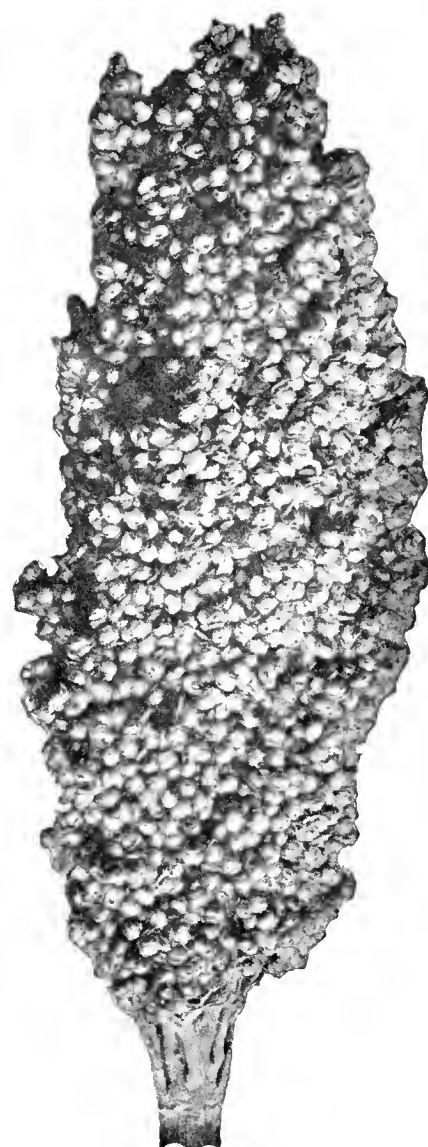
1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.20; 15 lbs., \$1.65

**1214—CANE—(Feterita Type)**—A non-saccharine cane, a new forage crop for the South. Similar to Kaffir Corn in general habit, but grows a little taller and produces larger heads, standing erect, white seed and early maturity.

1 lb., 25c; 5 lbs., 85c; 10 lbs., \$1.35; 15 lbs., \$1.90

**1215—HEGARI**—It makes an enormous yield of grain in most sections of the South and is more desirable for forage or silage than either Kaffir or Feterita. It is dwarf in habit of growth, producing large heads of white grains that do not shatter. Plant 8 to 10 pounds per acre. It is getting to be the most popular non-saccharine Sorghum grown. Stands dry weather well.

1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.20; 15 lbs., \$1.65



Kaffir Corn

**PEANUTS**

**CULTURE**—Plant the shelled nut in May or early in June, dropping the nuts 8 to 10 inches apart in 2½ to 3 foot rows and cover 1 to 2 inches deep. Cultivate thoroughly until the nuts begin to form. When harvesting, loosen the roots with a plow, pull the vines with the nuts attached, allow them to dry, stack around a stake, turning the nuts inward.

**1177—PEANUTS (Spanish Type)**—They can be grown closer than most varieties, are more easily cultivated and gathered, as the nuts, which are clustered around the base of the plant, cling firmly to the roots.

1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.35; 15 lbs., \$1.90

**1178—PEANUTS (Tenn. Red Running Type)**—The finest large variety grown; similar to Spanish Peanuts, but the pods are much larger and longer, well adapted to all soils. The pods usually contain from three to four nuts, which are very rich and highly flavored.

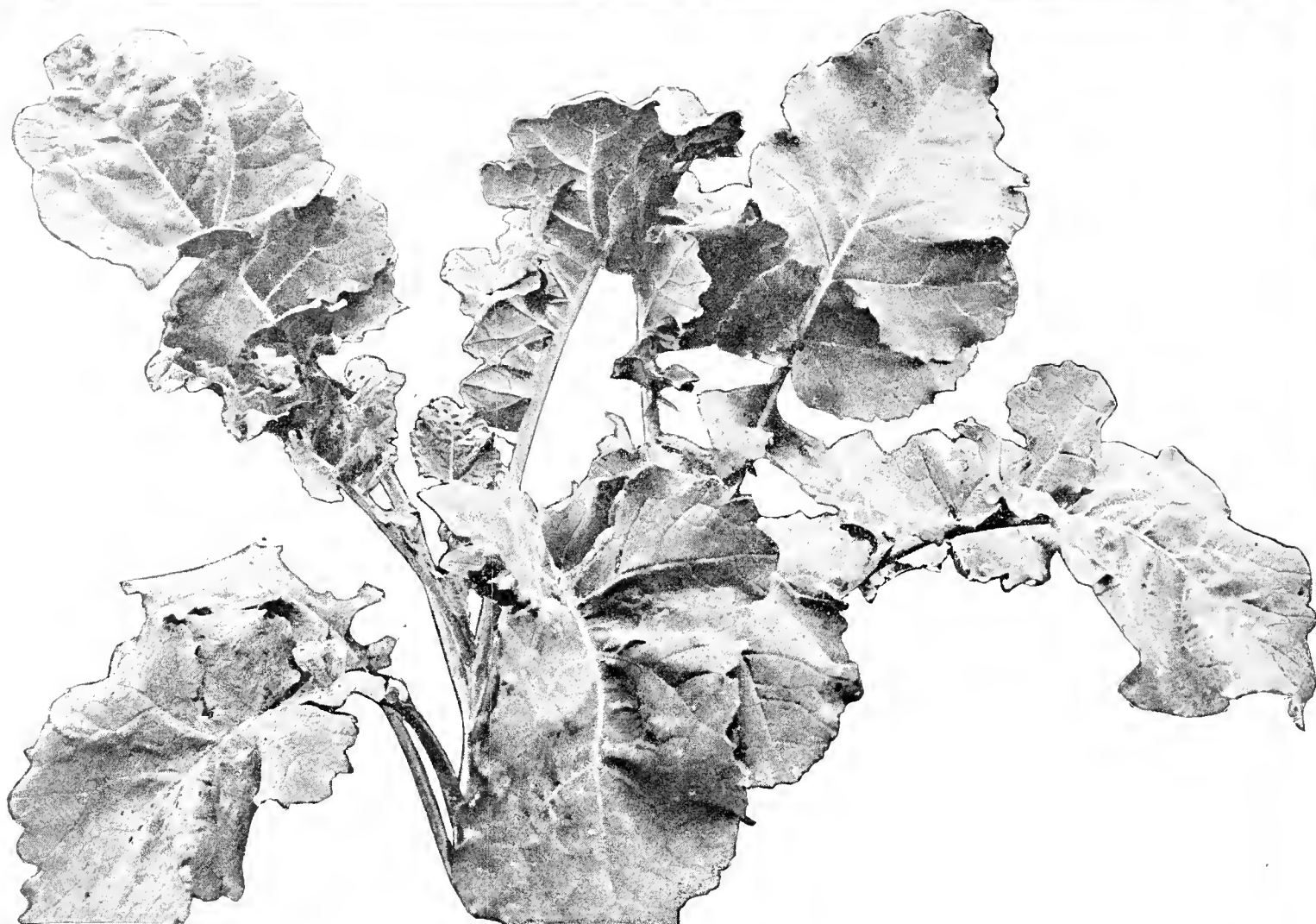
1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.35; 15 lbs., \$1.95

**1179—PEANUTS (Mammoth White)**—Large size pods; best variety for commercial use.

1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 15 lbs., \$2.10

**1180—PEANUTS (Valencia Type)**—Fills the demand for a peanut that is larger and containing more nuts than the common varieties. It is splendidly adapted for growing on the light sandy soils of the South Atlantic Seaboard, where it has yielded uniformly satisfactory crops. The pods are large, well filled, usually containing three or four nuts.

1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.35; 15 lbs., \$1.90



### **GENUINE DWARF ESSEX RAPE**

**The Most Valuable of all Quick-Growing Forage Crops. Ready to Pasture within 50 to 60 Days from Time of Planting**

The seed which we offer is the genuine Dwarf Essex Rape, carefully recleaned and graded and grown especially for seed purposes. More Dwarf Essex Rape Seed was sown in this and adjoining states last year than ever before. More stock was pastured and marketed and a greater interest manifested in the production of live stock.

The importance of Dwarf Essex Rape as a forage and pasture plant is recognized by hundreds of live stock raisers who depend on it every year, sowing the seeds for a succession of crops from early spring until late winter, except the extremely hot months of summer. The greatly increased demand for this seed from breeders of hogs, poultry and other live stock indicates in a marked degree the value of this plant as a spring, fall and winter forage or green food crop.

#### **One of the Cheapest Forage Crops Produced**

Rape is possibly the cheapest of all forage crops to produce. Requires only eight pounds of seed to the acre and practically the same seed bed preparation as corn. Unlike corn and many other crops, Rape requires no cultivation from the time it is seeded until it is ready to pasture. It is ready to pasture in about sixty days after seeding, one acre affording excellent forage for ten to fifteen hogs or sheep. Rape can be sown alone or in combination with other grain and grass crops. Rape sown in combination with oats makes excellent forage, the oats being drilled in at the rate of one bushel per acre and the rape seed sown broadcast at the rate of five to six pounds per acre. Another good combination and one possibly used more extensively than all others is RAPE SEED, OATS and RED CLOVER. Rape Seed five to six pounds per acre, Oats one bushel and Red Clover eight pounds per acre. Red Clover and Rape sown broadcast and the Oats drilled in. Forage crops such as Rape Seed are especially desirable land coverings for the winter months when the soil is subject to washing, the firmly rooted plants adding stability to the soil as well as producing considerable revenue from land that would otherwise stand idle throughout the winter months.

#### **Practically a Year-Round Crop**

Rape is practically a year-round crop. With successive planting, Rape forage can be obtained for about nine months of the year. Seeding can be done from February through October except the extremely hot months of summer. Excellent forage will be ready within 50 to 60 days from planting time and will afford good grazing until killed by extreme heat or cold. Rape can be sown to good advantage at the last plowing of corn, following oats or wheat and other summer crops. Idle acres can be made to produce liberally during the winter months when no other crops are being grown and the crop pastured until spring when the land can be used for other purposes.

**Price, 1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.65; 15 lbs., \$1.95; 25 lbs., \$3.00, Post Paid, Write for Quotations on Larger Quantities.**

**MISCELLANEOUS FARM SEEDS**

All Prices on This Page Post Paid. Write for Prices on Quantities.  
Prices on These Items Are Constantly Changing.

**1155—VETCH (Spring Type)**—Has become very popular in the central South within the past few years. Used as green feed and hay. Must be sown in early spring. When sown at this time with oats, it will produce a good crop of hay two weeks earlier than fall-sown Vetch. Very productive and highly nutritious. Handle similar to Canada Field Peas. Spring Vetch is superior to peas. Makes a greater growth of vine, takes less seed per acre. Sow 30 to 40 pounds per acre with about 1 bushel of oats.

1 lb., 25c; 5 lbs., 85c; 10 lbs., \$1.60; 15 lbs., \$2.25

**1176—VETCH (Sand or Hairy Type)**—The hardiest vetch. Fine for hay, grazing and improving land. Grows well on all soils and surprisingly well on poor, thin land, and will stand extremes of drouth, heat and cold. The yield of hay is really wonderful. as many as twenty long vines growing from a single root. It may also be sown in the fall to make hay about the end of May, for an excellent pasture or to prevent the leaching of plant food from the land by the winter rains. It never winter kills.

1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.90; 15 lbs., \$2.70

**1265—RYE (Abruzzi Type)**—If sown on good land in September it will be ready for grazing in about six weeks, and will furnish grazing for several months if not grazed too close. Unless wanted for grazing, do not sow as early as September, as it may go to seed during the winter or early spring; late October or early November is early enough to sow for a grain crop.

5 lbs., 55c; peck, \$1.40; ½ bu., \$2.25

**1266—RYE (Rosen Type)**—Makes a splendid cover crop, and when grown on land to which it is suited, makes heavy grain head on thick, stiff straw about 5 feet high. It is fine for grazing, although the spring growth is not as early as Abruzzi, nor is the straw as long.

5 lbs., 50c; peck, \$1.30; ½ bu., \$2.00

**1267—RYE (Southern or Common Type)**—I have sold Southern or Common White Rye for 30 years, and while there is no special comment to make on same, there is more of it sown than all other varieties combined. It is cheaper in price and can be sown from August 15 to December 15 for grazing. Sow about 2 bushels to acre.

5 lbs., 45c; peck, \$1.15; ½ bu., \$1.85

**1268—SUNFLOWER (Russian Type)**—Sow 10 pounds per acre in drills 3 feet apart, dropping seed about every 4 inches.

Large pkt., 10c; 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.20

Oats packed 5 bushels (160 pounds) to bag. Sow 60 to 90 pounds to acre alone; with Vetch, 32 pounds Oats and 30 pounds Vetch.

**1275—OATS (Appler Type)**—Are equally well adapted for sowing both in the spring and fall.

Peck, 85c; ½ bu., \$1.40; 1 bu., \$2.25

**1276—OATS (Burt Type) (90 days)**—Sow in February, March and April, 15 days earlier than any other spring oats; free from rust; healthy, and makes a remarkably good yield of clean, bright, heavy grain.

Peck, 80c; ½ bu., \$1.30; 1 bu., \$2.10

**1278—OATS (Winter Turf Type)**—Often called Winter Turf because they stand the winter better than any other oat that you can sow in the fall. Sow at the rate of 2 bushels per acre.

Peck, 95c; ½ bu., \$1.60; 1 bu., \$2.50

**1279—OATS (Fulghum Type)**—This oat has been very popular for six years. It is of the rust-proof type, earlier than either Appler or Red Rust Proof, and a heavier yielder.

Peck, 85c; ½ bu., \$1.40; 1 bu., \$2.25

**1280—OATS (Red Rust Proof Type)**—This variety is very hardy, producing a medium tall, stiff straw and a heavy yield of grain or hay. The stock which we offer is exceptionally heavy, bright, re-cleaned and graded.

Peck, 75c; ½ bu., \$1.20; 1 bu., \$2.00

**1258—WHEAT (Fultz Type)**—A smooth-head wheat, sown in the South for grazing green hay, and in some sections threshed and ground for flour.

5 lbs., 60c; peck, \$1.25; ½ bu., \$2.25

**1260—WHEAT (Red May Type)**—Beardless or smooth-head, sown mostly in the South for grazing and to cut green for hay in spring.

5 lbs., 55c; peck, \$1.15; ½ bu., \$2.00

**1263—BARLEY (Beardless Type)**—It makes a quick-growing crop of most excellent and nutritious feed, either to use green or to cure as hay. Sow 1½ to 2 bushels per acre.

5 lbs., 65c; peck, \$1.15; ½ bu., \$2.00

**1262—BARLEY (Bearded Type)**—Best for fall sowing; in fact, makes the finest winter pasture and should be more generally used.

5 lbs., 60c; peck, \$1.00; ½ bu., \$1.80

**1264—BROOM CORN (Dwarf Type)**—Sow in May, about 10 pounds per acre, in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row.

1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.15

**1269—BUCKWHEAT (Silver Hull Type)**—The grain of this type is plump and silvery gray. The crop continues to bloom longer than common buckwheat, and therefore is larger. Sow broadcast, 50 pounds to the acre.

1 lb., 25c; 5 lbs., 85c; 10 lbs., \$1.50



Abruzzi Rye

**Letters from 12 Customers Who Bought  
Abruzzi Rye During Fall of 1934**

1. L. F. Blaylock of Sweetman, Miss., writes: I bought the seed for my own purpose, I have a perfect stand. The patch is as fine as I have ever seen.

2. Dr. A. L. Emerson of Hernando, Miss., writes: I planted the Mountain Grown Abruzzi Rye on its arrival—never had wheat, oats, or rye to come up better. Perfect stand.

3. E. D. Merkel of Gurdon, Ark., writes: In regard to the Mountain Grown Abruzzi Rye Seed you sold me. I planted it on my farm, the result from this planting was a 100% stand.

4. R. R. Moore of Somerville, Tenn., writes: I planted the Abruzzi Rye and have as good a stand as I would want. I planted five bushels on five acres and I wish I had spread it out to six or seven.

5. H. T. Ricks of Brunswick, Tenn., writes: I planted the Abruzzi Rye and got a real good stand. Am very much pleased with it.

6. R. C. Branch of Pecan Point, Ark., writes: Planted the Rye on or about Oct. 15th and have a good stand.

7. H. W. Cain of Caruthersville, Mo., writes: I did not sell any of the Rye seed to other parties. Got excellent results. I am well pleased with the sowing.

8. E. G. Randle of Vaiden, Miss., writes: I'm pleased to write you that the rye, also oats and red clover, are up to a perfect stand, although they have been planted only about a week.

9. A. Thweatt of Stanton, Tenn., writes: The results of this planting are entirely satisfactory. Have been buying seeds from you for several years and all have proved satisfactory.

10. L. P. Bowden of Joiner, Ark., writes: We got a good stand from the Rye bought from you.

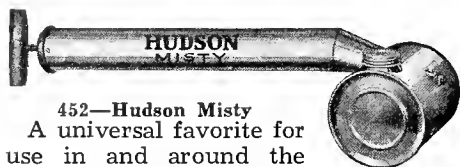
11. B. F. Ross of Oakville, Tenn., writes: I planted the Rye seed bought from you and the stand is just fine, looks like every grain came up.

12. A. N. Gibbs of Wheatley, Ark., writes: I was out looking over the Rye, Wheat and Barley I purchased from you and find I have an excellent stand of Rye.



**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

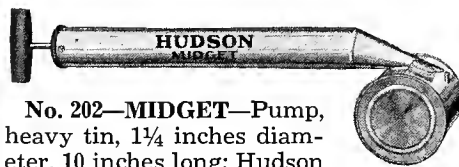
## BUCHANAN'S SPRAY PUMPS



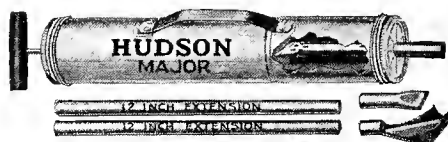
**452—Hudson Misty**  
A universal favorite for use in and around the house, yard, garden, chicken house.  
**No. 452—Heavy tin, post paid, 55c; at Store, 40c.**  
**No. 452B—Brass tank, post paid, 85c; at Store, 75c.**



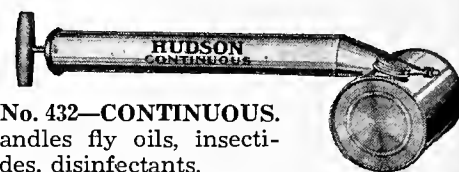
**Pump—1 3/4 in. diameter, 8-in. stroke.**  
**Powder Reservoir—1 3/4 in. diameter, 5 in. long, with air valve to prevent powder getting into pump.**  
**No. 663—Cadet Duster, a smaller size, post paid, 60c; at Store, 50c.**



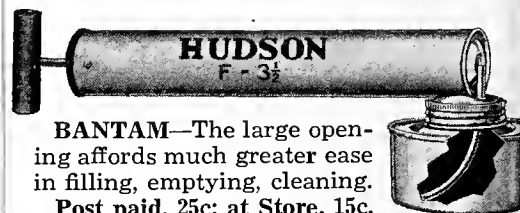
**No. 202—MIDGET—Pump,** heavy tin, 1 1/4 inches diameter, 10 inches long; Hudson plunger leather and heavy rod. Tank, heavy tin, 3 inches diameter, 3 inches long; capacity about 3/4 pint. Length over all, 14 inches. **Price—Post paid, 35c; at Store, 25c.**



**No. 665—MAJOR DUSTER—Handles** paris green, arsenate of lead, calcium arsenate and similar poisons very efficiently. **Post paid, \$1.35; at Store, \$1.25.**



**No. 432—CONTINUOUS.** Handles fly oils, insecticides, disinfectants.  
**No. 432—Continuous, heavy tin, post paid, 85c; at Store, 75c.**  
**No. 432B—Continuous, brass tank, post paid, \$1.40; at Store, \$1.25.**



**BANTAM—The large opening** affords much greater ease in filling, emptying, cleaning. **Post paid, 25c; at Store, 15c.**



**No. 120G THRIFTY**  
**Tank—6 1/2 inches diameter, 17 inches high; capacity 2 1/2 gallons.** Made of galvanized or copper sheet. **Pump—1 3/4 inches diameter, 14 inches long; seamless brass tubing. Recessed bronze ball valve seats perfectly.** **Discharge Hose—24 inches of special high pressure spray hose. Attaches directly to the supply tube which extends to the bottom of tank and allows all the liquid to be discharged. One in heavy fibre carton. Shipping weight, 8 pounds.**  
**No. 120G—Thrifty, galvanized tank, post paid, \$3.95; at Store, \$3.75.**



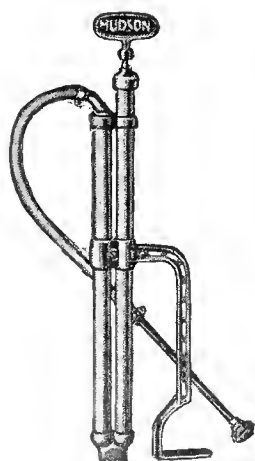
**No. 140G JUNIOR**  
**Tank—6 1/2 inches diameter, 17 inches long; capacity about 2 1/2 gallons.** **Pump—1 3/4 inches diameter, 15 inches long; seamless brass tubing.** **Discharge Hose—Attaches to the supply tube which extends to the bottom of the tank and allows all the liquid to be discharged.** **Nozzle—Automatic shut-off nozzle, which will handle all solutions perfectly.**  
**No. 140G—Galvanized tank, post paid, \$4.50; at Store, \$4.25.**  
**No. 140B—Copper tank, post paid, \$6.85; at Store, \$6.60.**



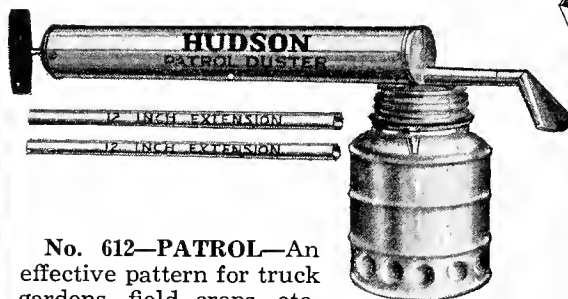
**No. 133—TROMBONE—**High pressure spray pump for handling all solutions. Continuous in operation, maintaining a steady discharge without undue exertion on the part of the operator. All parts are brass with bronze ball valve, easily accessible.  
**No. 133—Trombone, post paid, \$4.10; at Store, \$3.90.**



**No. 110G PERFECTION**  
**Tank—7 1/2 inches diameter, 20 inches high; capacity, 4 gallons.** Seams are riveted and soldered. **Hose—Attaches direct to the discharge tube which extends to the bottom of the tank.** **Nozzle—Designed for high pressure work; is automatic and operates perfectly under all pressures.** **Pump—Seamless brass tubing, 1 3/4 inches diameter, 15 inches long.**  
**No. 110G—Galvanized tank, post paid, \$6.25; at Store, \$6.00.**  
**No. 110B—Copper tank, post paid, \$9.75; at Store, \$9.50.**



**No. 128—MO-HAWK—All working parts are brass.** Foot rest is adjustable for various heights. Comes equipped with 3 feet of hose, 12-inch iron extension and brass nozzle with variable discs.  
**No. 128—Mo-hawk, weight 7 lbs., post paid, \$3.95; at Store, \$3.75.**

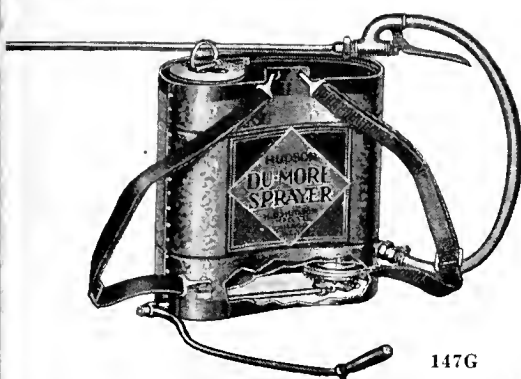


**No. 612—PATROL—An effective pattern for truck gardens, field crops, etc.** The two 12-inch extensions and reversible angle nozzle permit the operator to reach all parts of the plant easily. **Pump—1 3/4 x 14 inches.** **Powder Reservoir—Glass, specially designed. Contents always visible. Wide mouth permits easy filling.**  
**No. 612—Patrol, with Jar, each, \$1.25; post paid, \$1.40.**



**EVERMARK—For writing on all plant labels.** Will not rub off, will not wash off. Endorsed by leading growers everywhere. You cannot afford to use any other pencil. How many plant names have you lost after using common pencils? Don't take chances—use EVERMARK exclusively. Made especially for growers.  
**Price, post paid—Each, 10c; 3 for 25c.**

**HUDSON SPRAYER PARTS**  
We carry a complete stock. Bring or send the worn or broken part.



**The HUDSON DU-MORE** is a continuous high pressure sprayer adapted for all truck and field crops, vineyards, bushes, fruit trees, ornamental shrubs, etc. Will handle all agricultural insecticides. Tank holds 4 gallons. Made of heavy galvanized steel, sturdily built. Equipped with wide shoulder straps, adjustable in length. Operates with remarkable ease because of long handle placed at right of user. Is equipped with 3 feet of spray hose, 2-foot iron extension rod, shut-off and brass Fog Nozzle. Packed one in a carton. Shipping weight, 19 pounds.

No. 147G—Galvanized Du - More, post paid, \$12.25; at Store, \$11.75.


No. 147B—Copper Du-More, post paid, \$18.00; at Store, \$17.50.



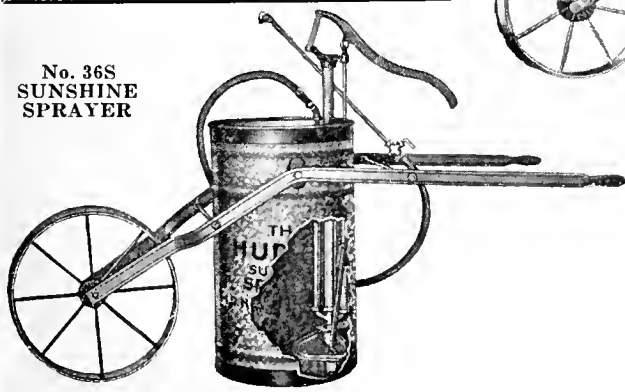
**No. 435—CARDINAL CONTINUOUS SPRAYER**

Is particularly effective for handling fly oils in the dairy barn, milk house, creamery, etc. Handles all oil base solutions and insecticides, breaking them up into a fine vapor. Adjustable nozzle takes care of solutions of varying consistency. Tank is heavy galvanized, with large filler opening. Comfortable handle acts as a brace between pump and tank. Holds 3 quarts. Pump is 13 inches long and 1½ inches in diameter.

No. 435NS—Cardinal Sprayer, post paid, \$1.65; at Store, \$1.50.



Has Sold Seed  
in Memphis  
37 Years

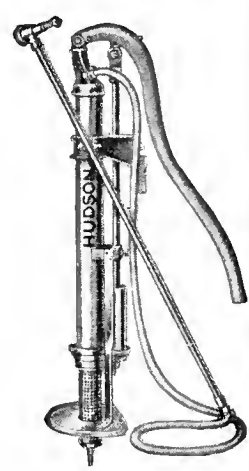


**SPRAYER PARTS**—We can furnish parts for all Hudson Sprayers. Send the worn or broken part you wish and we will send the part to match by C. O. D. Parcel Post.

**No. 4S—BARREL PUMP**—Is powerful, light and durable and will maintain a continuous working pressure of 200 pounds.

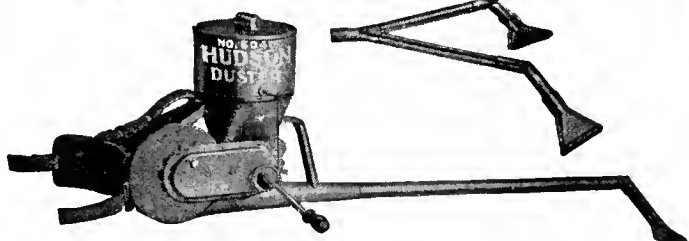
**No. 4S—Pump, no discharge equipment. Shipping weight, 30 pounds. Post paid, \$10.45; at Store, \$9.75.**

**No. 4SA — Pump with 6 feet ¾-inch 5-ply spray hose and 4-foot extension rod, total 10 feet, and angle Ideal Nozzle. Shipping weight, 33 pounds. Post paid, \$12.50; at Store, \$11.75.**



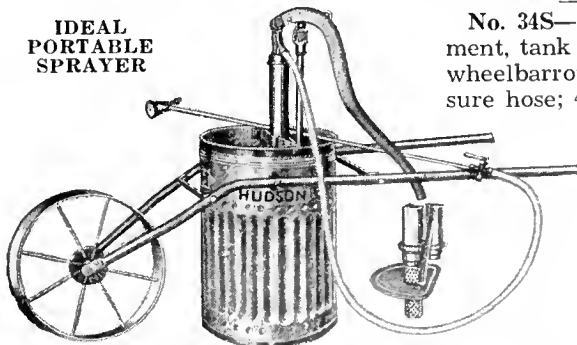
**No. 604—HUDSON DUSTER**—Develops an unusually powerful air blast. It delivers more than enough air at the nozzle to prevent clogging and to break the powder into a fine floating dust. It has two agitators, one oscillating, one rotary. Will handle any powder, light or heavy. Gear case is oil and dust proof.

Packed one in a heavy fibre carton. Shipping weight, 22 pounds. **Price—Post paid, \$13.95; at Store, \$13.50.**



**SPRAYING—Pages 72-73-74-75**

**IDEAL PORTABLE SPRAYER**



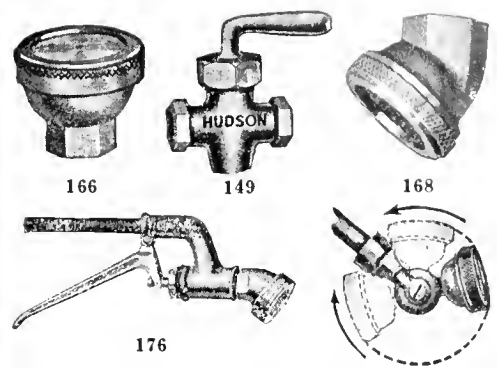
**No. 34S—IDEAL PORTABLE SPRAYER**—Equipment, tank 12 gallons, portable, attached to an iron wheelbarrow frame with wheel; 10 feet ¾-inch pressure hose; 4 feet pipe extension; 1 T shut-off cock; 1 nozzle. Weight, 65 pounds. Fitted with non-clogging tubular brass screen and special dasher agitator. See cut. **Price, \$21.00.**

**No. 35S—IDEAL**—Different from No. 34S in that it is equipped with a reserve air pressure gauge and tank.

**No. 35S—Ideal with pressure tank and gauge. Price, \$31.00.**

**No. 36S—SUNSHINE**—Fits the needs of the florist or nursery man, because its width permits its use between the narrow rows; also adapted for orchards, vineyards and truck gardens, for whitewashing poultry houses and dairy barns. Valves are bronze balls mounted in a brass cage, accessible without dismantling the pump. Cylinder is seamless brass. Air chamber has ample capacity for high pressure and steady discharge. Tank is heavy gauge copper bearing galvanized steel; capacity 12½ gallons. Discharge equipment consists of 5 feet of ¾-inch 5-ply spray hose, 2-foot iron pipe extension and angle spray nozzle. Fitted with non-clogging tubular brass screen and special dasher agitator which cleans it thoroughly at each stroke of the pump plunger.

**Standard Package**—One in a crate. Shipping weight, 43 pounds. **\$12.45.**



**Hudson Spray Parts**

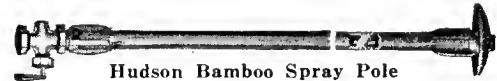
No. 168 Spray Nozzles ..... Each 65c  
 No. 166 Spray Nozzles ..... Each 65c  
 No. 149 Brass Shut-off Cock .... Each \$1.00  
 No. 176 Perfection Nozzle ..... Each \$1.50  
 No. 0 Adjustable Nozzle ..... Each \$1.30

**Extension Rods**

2-ft. Brass Rods .....\$0.60; mailed, \$0.70  
 3-ft. Brass Rods ..... .80; mailed, .90  
 4-ft. Brass Rods ..... 1.00; mailed, 1.10

**Spray Repairs**

Leather Washers, Barrel Pumps ..... 20c  
 Leather Washers, Bucket Pumps ..... 10c  
 Leather Washers, Hand Sprayers ..... 10c  
 Leather Washers for Comp. Air ..... 10c  
 Rubber Gaskets for Comp. Air ..... 10c  
 Check Valves for Comp. Air Sprayers. 10c  
 Whirl Discs, Brass Screens and Brass Spray Caps for Spray Nozzles. .... 10c



**HUDSON BAMBOO SPRAY POLES** are brass lined. This lining is in one piece, locked to the poles at both ends. Will not turn inside the bamboo because of the special end castings.

**No. 42—Spray Pole, 8-foot, with stop cock. Price, each, \$3.75.**

**HUDSON SPRAY HOSE**—Is made especially for spraying purposes. It is 5-ply, of best material and the inner liner is of special composition not affected by the chemical action of the various spray solutions. Furnished in both ¾-inch and ½-inch sizes, any length up to 50 feet.

**Price—¾-inch, 13c, and ½ inch, 16c per foot, post paid. At Store, 12c and 14c.**



### How to Spray the Home Orchard and Garden

Remedies for control of insects and diseases found on pages 76, 78 and 79.

These pages are written to help those with a small orchard and garden raise better fruit, flowers and vegetables; the commercial grower knows how to control these diseases and insects. Orchard and garden pests are divided into two divisions—Insects and diseases. Insects are classified as chewing insects and sucking insects.

**CHEWING INSECTS**—Have mouth parts that enable them to bite off and chew the foliage and fruit. Such insects as the potato bug, apple worm and cabbage worm are examples. The way to control chewing insects is to poison their food, which is the fruit and foliage.

**SUCKING INSECTS**—Are so called because they have mouth parts that pierce and suck the juices and sap from the leaves, fruit and foliage. Included in this class are scale insects, aphids or plant lice, red spiders, thrips, etc. These insects are controlled by spraying them directly with a material that paralyzes or suffocates them. Such products as Black Leaf 40 or Evergreen are used.

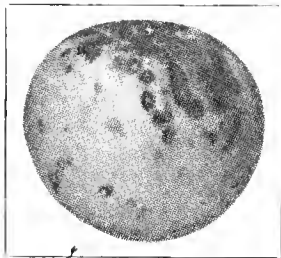
**FUNGUS DISEASES**—A fungus disease is a condition in a plant that may effect fruit, leaves or bark, and is a low form of plant life that originates from a minute spore or seed. As the fungus spore or seed germinates it pushes its roots into the tissues of the plant and causes what is known as a fungus disease. Examples of fungus diseases are a form of rot on plums, peaches or cherries, scab spots on apples, blighted potato leaves, mildew on roses or grapes and curl on peaches.

**SAN JOSE SCALE** (a sucking insect)—The most common class of insects that attack apples, pear and quince trees are scale insects. They attack nearly every kind of tree, including shade trees and evergreens. The most distinctive scale insect is the San Jose Scale. This insect attacks all parts of the tree, including the trunks, branches, leaves and fruit, and usually causes bright red spots on the skin of the apples. The branches and trunk covered with San Jose Scales have a rough, grayish appearance. By scraping these the soft yellowish insects can be seen. For scale insects and Blister Mites use a dormant spray, after the leaves drop in the fall and before buds swell in the spring, and when the temperature is above 40 degrees. Use Buchanan's Oil Emulsion, diluted 2 gallons to 48 gallons of water, or concentrated lime sulphur solution, 6 gallons to 44 gallons of water, or use 15 pounds dry lime sulphur to 50 gallons of water.

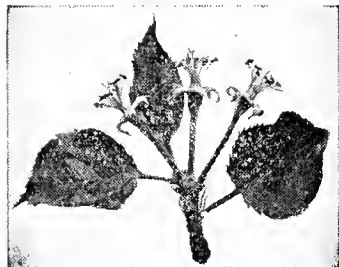
**CODLING MOTH OR APPLE WORM** (a chewing insect)—This insect hibernates as a pinkish white worm in cocoons under the bark of trunk or branches. The worm transforms itself into a moth which emerges about blossom time and lays eggs on the fruit and foliage. The eggs hatch about 3 or 4 weeks after the fall of petals, at which time about 90% of the young worms enter the apples at the calyx or blossom end. It is very important that the calyx spray is applied at the right time. This is between 7 and 10 days before the calyx closes, according to the weather.

**CURCULIO** (a chewing insect)—The adult Curculio is a grayish black humped-back snout beetle about one-quarter inch long. It attacks the fruit by making a crescent-shape cut in the skins of the fruit in which the egg is laid. From this egg hatches a small white worm which feeds on the inside of the fruit.

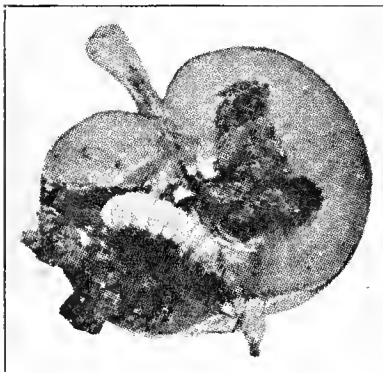
**HOW TO CONTROL INSECTS AND DISEASES OF PECANS**  
**—The Obscure Scale**—Has become a serious pest on cultivated pecans, especially in the Gulf Coast region, and is gradually being spread throughout the pecan growing area of the United States. **Scab**—A fungus is by far the most destructive disease pecan growers have to contend with, and is increasing in seriousness from year to year. The disease may attack the nuts, twigs and leaves. It is first noticed in early spring. **Dormant Spray**—For Scale Insects. While trees are completely dormant, spray with Buchanan's Oil Emulsion at the rate of 5 gallons to 45 gallons of water. **First Summer Spray for Scab, Case Worm, Caterpillar, Leaf Spot and Aphids**—Apply just after fruit has set. Use prepared Bordeaux at rate of 8 pounds to 50 gallons water, 2 pounds hydrated lime and 1½ pounds Arsenate of Lead. Add to this ½ pint Black Leaf 40. In most cases pecans should be sprayed three more times during summer at intervals of three weeks, using same materials as first summer spray.



Apple Blotch



The Time for First Codling Moth Spray

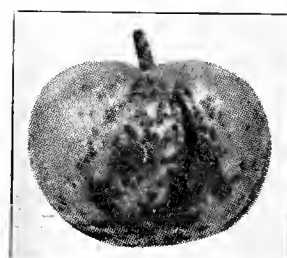


Codling Moth or Apple Worm  
A Chewing Insect



San Jose Adult Female Scales

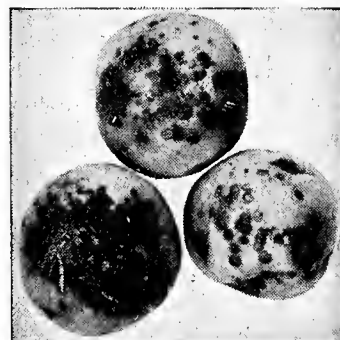
**BETA-NAPHTHOL BANDS**—For controlling codling moth (the apple worm), apply about May 1 in Memphis area. Rolls 125 lineal feet, 4 inches wide, heavily treated with Beta-Naphthol. Price—Post paid: Each, \$3.25. Not prepaid: Each, \$3.00.



Apple Scab.



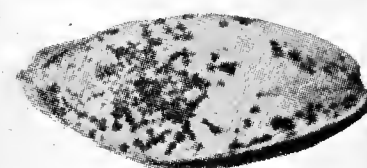
Too Late for First Codling Moth Spray



Apple Scab  
A Fungus Disease



Young Fruit of Peach Branch on Left Ready for the First Spraying for Curculio. Branch on Right Too Early for Effective Spraying.



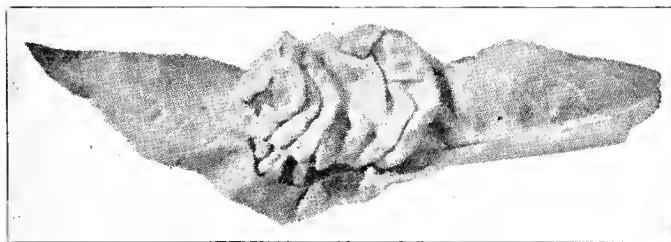
Pecan Scab on a Twig and a Nut

Pecan Scab on Leaves

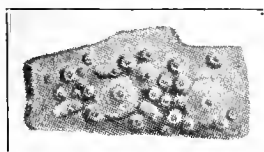




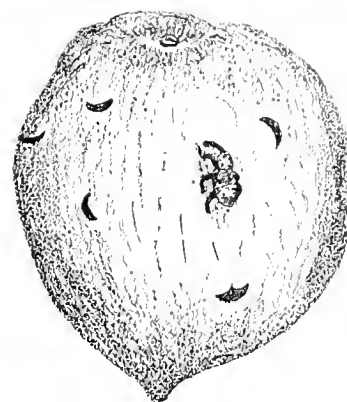
Leaf Curl of Peach



Appearance of Peach Leaf Curl



Enlarged San Jose Scale  
A Sucking Insect



Young Peach, Showing Curculio in Position, also Numerous Egg-Laying Punctures.

## Controlling Codling Moth, Curculio, Scab and Blotch

**SCAB** (a fungus disease)—Scab makes its first appearance in the cool wet weather in the spring. The spores or germs of Scab live through the winter in the dead leaves lying under the trees, and are discharged into the air, and the wind carries them to the young leaves and blossom stems where they grow and multiply rapidly. The disease makes its first appearance on the underside of the leaves in the form of brownish spots, which later become black. It spreads to the upper side of the leaves and to the fruit. The disease on the fruit makes brown or black spots and later the fruit cracks and falls.

**BLOTCH** (a fungus disease)—Blotch is found on the fruit leaves and twigs. On the fruit the disease appears as a brown, irregular edged mass of fibers, beneath the skin of the fruit; on the leaves numerous small light gray spots with a single black dot in the middle of each spot. On the twigs the disease appears as a circular canker on new growth.

**1.—PINK BUD SPRAY**—As the individual buds in a cluster begin to separate use concentrated lime sulphur solution diluted 5 quarts to 50 gallons water, or 4 pounds sulfur to 50 gallons water. To either of the above add 1½ pounds arsenate of lead.

**2.—PETAL FALL OR CALYX SPRAY**—Begin when petals are three-fourths off and finish before the calyx closes. Use same materials as written for First Spray.

### SPRAYING GRAPES for INSECTS and DISEASES

**GRAPE LEAF TYER**—Is a greenish-white caterpillar, marked with a dark green stripe, that folds the leaves together and lives between the folded leaves.

**FLEA BEETLE**—Is a small black jumping insect that eats holes in the leaves of the plants.

**LEAF HOPPER**—Is a small pale yellowish-green hopping insect that attacks the grape on the underside of the leaves. This insect causes the leaves to yellow, then brown, and eventually die.

**BLACK ROT**—The disease affects all the green parts of the vine. The name black rot applies to the condition of the affected grapes. As the grapes ripen this brown rot spot becomes sunken and soon the fruit turns black and shrinks. The leaves may become infected also by reddish brown circular spots.

**DOWNY MILDEW**—A fungus disease of grapes, destructive to berries and all young or green portions of the vines. First sign on the fruit is a hardening of the berries, with a change from their normal color to a grayish blue-lead appearance.

**No. 1**—Just before blooming, mix 8 pounds of Bordeaux Mixture in 50 gallons of water according to directions on package, add to this 1½ pounds arsenate of lead. You can make your own Bordeaux Mixture with bluestone and lime. See page 71. This spray is to control Black Rot, Downy Mildew, Flea Beetle and Anthracnose.

**No. 2—FIRST COVER SPRAY FOR MILDEW, BLACK ROT AND BERRY MOTH**—Immediately after blooming use same spray as used in No. 1 spray.

**No. 3**—Two weeks after No. 2 spray use same spray for the same controls.

**No. 4—THIRD COVER SPRAY**—Two weeks after previous spray use same materials except **DO NOT USE ARSENATE OF LEAD.**

## Controlling Pests of Peach, Plum, Cherry and Apricot

In applying cover sprays it is equally important to cover both fruit and foliage.

**3.—FIRST COVER SPRAY**—Begin 10 days following last spray and finish by 2½ weeks after petals fall. Mix 8 pounds Bordeaux Mixture in 50 gallons water, according to directions on package, add to this 1½ pounds arsenate of lead. If you wish to make your Bordeaux by using bluestone and lime, see page 71 for full directions.

**4.—SECOND COVER SPRAY**—Begin two weeks after First Cover Spray, finish five weeks after petals fall, using the same materials as in First Cover Spray.

**5.—THIRD COVER SPRAY**—Should begin two weeks after last spray, using same materials as before.

**6.—LATE COVER SPRAY**—Begin three weeks after last spray and repeat every three weeks as needed until two weeks before harvest, using the same materials as previous spray except **DO NOT USE ARSENATE OF LEAD** in case the fruit will ripen within three weeks.

**PEACH LEAF CURL** (a fungus disease)—Shows up in the spring shortly after the leaves unfold; they become thickened, puffed, folded and the diseased portions turn yellow with tints of red, and usually fall off. The spores of the disease winter over on the outside of the leaf buds, therefore the only way to control this disease is with the dormant spray.

**PEACH SCAB** (a fungus disease)—Makes the fruit spotted with small olive-colored dots, giving the fruit a freckled appearance.

**BROWN ROT** (a fungus disease)—Shows up when the fruit is about half grown as a small circular dark brown decayed area. As the rot grows the center becomes dotted with grayish mold. This disease is found on Peaches, Plums and Cherries.

**DORMANT SPRAY—FOR SCALE INSECTS AND PEACH LEAF CURL**—After leaves drop in the fall and before buds swell in the spring, when temperature is above 40 degrees, spray with one of the following mixtures: In each 48 gallons of water dissolve 8 pounds of prepared Bordeaux Mixture. Then add 2 gallons Buchanan's Oil Emulsion. In case you wish to make your own Bordeaux with bluestone and lime, see page 71 for full directions. Or use 6 gallons lime sulphur solution to 44 gallons water; or 15 pounds dry lime sulphur to 50 gallons water.

**No. 1—BLOSSOM SPRAY**—This is the first spray for Curculio, Brown Rot and Scab, and should be applied when three-fourths of the blossoms have fallen and finish as quickly as possible; use Sulfuron, 3 pounds in 50 gallons water; or you may use 10 pounds summer peach spray in 50 gallons water. To either of the above sprays add 1 pound arsenate of lead.

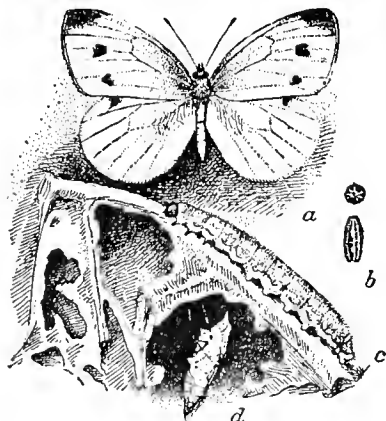
**No. 2—FIRST COVER SPRAY**—Apply two weeks after No. 1 spray for the same diseases and using the same spray. This should be the last spray for the early fruits.

**No. 3—SECOND COVER SPRAY**—Apply two weeks after No. 2 spray, using same materials as No. 1 spray.

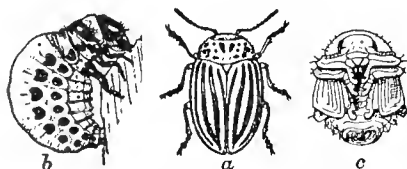
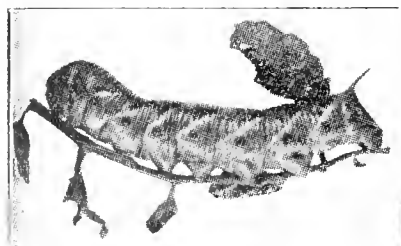
**No. 4—THIRD COVER SPRAY**—Apply three to four weeks before fruit is due to ripen, using same materials as No. 1, except do not use arsenate of lead.

**Leaf Hopper**

Found on Grapes, Apples and Potatoes

**Mexican Bean Beetle****CABBAGE WORM**

(a) Butterfly, or Adult. (b) Eggs, Side and Dorsal View. (c) Larva or Worm. (d) Chrysalis or Inactive Stage.

**Potato Beetle or Potato Bug****Tomato Worm**

## Pests of Bush Fruits—Blackberry, Raspberry and Strawberry

Remedies for control of insects and diseases found on pages 71, 72 and 73.

**ROSE SCALE**—Is a snow-white, nearly circular scale insect found on the canes during the fall and winter.**ANTHRACNOSE**—Is the most destructive disease of bush fruits. It attacks the new growing canes, thus reducing the crop prospect for the next year. Anthracnose spots on the canes are at first purplish in the center, changing to grayish-white, the margins remaining purplish. The spots in severe cases may run together, girdling the canes.**LEAF SPOT OF BLACKBERRY**—It also affects Raspberries, confining its work to the leaves where it forms light to dark brown spots with whitish centers. Infection starts early in spring. For the control of these diseases spray with Liquid Lime Sulphur.

### STRAWBERRY PESTS

**FLEA BEETLES**—Of the Strawberry are small green, coppery or blue jumping beetles that feed on the leaves in early spring, riddling them.**LEAF-ROLLER OF STRAWBERRIES**—Is a small greenish or brownish caterpillar that folds two halves of the leaves together, feeding within this shelter causing the affected leaves to turn brown and die. This begins its work early in the season.**STRAWBERRY LEAF SPOT**—Affects the leaves and fruit stems, where it forms many deep purple or red spots. Badly infected leaves and fruit stems will turn brown and die. Dutox will control Flea Beetles and Leaf Roller.

## HOW TO IDENTIFY PESTS OF VEGETABLES

### ASPARAGUS

**ASPARAGUS BEETLE**—Is the worse pest of Asparagus. The head and underparts of the insect are bluish-black. The yellow wings have three black bands on them. Dutox is the best insecticide to use.

### BEANS

**ANTHRACNOSE**—Attacks the leaves and the pods, forming roundish discolored areas with a purplish border. Use Bordeaux Mixture to control this disease.**MEXICAN BEAN BEETLE**—The adult beetles are oval shaped and pale yellow to brownish in color with sixteen black spots. The young beetle is yellow in color and spiny. It is essential that spraying or dusting should be on the upper and lower sides of the leaves. Use Dutox for either spraying or dusting.

### BEETS

**LEAF SPOT**—Is a disease which attacks the Beet leaves in early spring; later the spot turns gray.**THE FLEA BEETLE**—Is a black, jumping, flea-like beetle that eats holes in the young Beet leaves. Both of these Beet pests can be controlled with Bordeaux and Dutox.

### CABBAGE, CAULIFLOWER, COLLARDS

**THE CABBAGE WORM**—Is that greenish-yellow caterpillar that feeds on the leaves. The adult is a white butterfly that is often seen around the cabbage. This butterfly lays its eggs on the leaves and the eggs hatch into the Cabbage Worm.**THE CABBAGE LOOPER**—It crawls like a measuring worm, is green in color and feeds the same as the Cabbage Worm. Dutox will control both of these pests.

### CANTALOUPE, CUCUMBERS, WATERMELONS, SQUASH

**STRIPED BEETLE**—Is a yellow beetle marked with three longitudinal black lines. Spray or dust with Dutox.**LEAF BLIGHT**—Is a disease sometimes called rust. It causes brown spots on the leaves.**ANTHRACNOSE**—This disease affects the leaves and stems in the form of dark sunken spots. All three of these pests can be controlled by spraying with Bordeaux Mixture.

### EGGPLANT AND PEPPER

**FLEA BEETLE**—See Potatoes below. Spray or dust with Dutox.**ROTS**—Fruit Rot forms a gray mold on the partly grown fruit. Pepper Rot causes black, sunken, irregular spots in the Peppers. Spray with Bordeaux.

### POTATOES

**COLORADO POTATO BEETLE—POTATO BUG**—This yellow-black striped beetle comes out of the ground where it spent the winter just as the Potato plants are coming up. The beetles feed for a short time on the young plants and then lay masses of orange-colored eggs on the underside of the leaves. These eggs hatch into dark red young beetles and they proceed to eat the Potato vines.**THE FLEA BEETLE**—Is a small black jumping insect that eats holes in the leaves of the plant. Control with Calcium Arsenate, Arsenate of Lead and Paris Green.**LEAF HOPPERS**—Are small pale yellowish-green hopping insects that attack the Potato on the underside of the leaves. This insect causes the leaves to brown, which in time will kill the plants.**BLIGHT**—Is the most destructive Potato disease. This disease turns the leaves black and tends to rot the growing Potatoes. Blight attacks both early and late plantings. Bordeaux Mixture will control Blight and Leaf Hoppers.

### TOMATOES

**TOMATO WORM**—This insect is a green caterpillar from two to four inches long with a horn at its posterior end. It will eat all the leaves off a plant in a few days unless the plant is sprayed. Use Calcium Arsenate, Dutox or Arsenate of Lead.**FLEA BEETLE**—See Potatoes.**LEAF SPOT**—This is a fungus disease that attacks the leaves early in the season. The spots become hard, dry and shrunk.**ANTHRACNOSE**—This disease causes small, sunken, discolored spots that turn a salmon color in wet weather. Both these diseases can be controlled by the use of Bordeaux Mixture.



## Controlling Diseases of Flowers

**ASTERS—Yellows**—A disease that causes dwarfing of the plant and yellowing of the leaves. Plants have a bushy appearance. **Wilt**—This disease also turns foliage yellow. The stems are streaked in brown or black. Leaves also turn black. This disease is carried in the soil. **Leaf Spot**—This disease causes brown spots on the leaves. These fungus troubles are partially controlled by spraying with Bordeaux Mixture once a week through the season.

**CALENDULAS—Caterpillars**—There are several kinds that eat the foliage. Spray with Dutox, 2 tablespoonfuls to 1 gallon of water, to control these pests.

**CANNA—Leaf Roller**—This is a caterpillar which feeds on the leaves and may be found with the leaf rolled around it. **Saddleback Caterpillar**—Another caterpillar which attacks the Canna is the Saddleback Caterpillar. These pests can be controlled by spraying or dusting with Dutox.

**CHRYSANTHEMUM—Leaf Spots**—This is one of the worst diseases of Chrysanthemums. The spots are dark and circular; affected leaves turn yellow. Spray with Bordeaux Mixture. **Red Banded Leaf Roller**—The Red Banded Leaf Roller is one of the caterpillar pests attacking the Chrysanthemum. Spray or dust with Dutox.

**COSMOS—Rot**—This rot develops a greenish-fuzzy growth on affected parts. Use Bordeaux.

**IRIS—Borer**—A pinkish-white worm with a brown head which burrows into the roots and crown of the plant. Spray new growth with 2 tablespoonfuls of Arsenate of Lead to 1 gallon water.

**LARKSPUR—Black Leaf Spot**—This disease causes black, tarry spots in the leaves and stems. Spray with Bordeaux Mixture as soon as growth starts in spring.

**NASTURTIUMS—Aphis or Plant Lice**—See Roses.

**PEONY—Bud Blight**—This disease blasts the buds, rots the young shoots, affects the leaves at the tip, extending back in a V-shape; diseased part is brown. Use Bordeaux Mixture. **Ants**—Ants are common on Peony buds, but they do not damage the buds or plant. They feed on a sweet secretion from buds. Use Acme Ant Kill. **Rose Beetles**—Long-legged clay-colored beetles about one-third inch in length. Spray or dust with Dutox.

**PHLOX—Mildew**—The surface of the leaves becomes covered with a white powder. This disease may kill the leaves. Spray with 1½ to 2 tablespoonfuls of Dry Lime Sulphur to 1 gallon water, or dust with Superfine Sulphur. **Leaf Spot**—This disease causes brown spots on the leaves. Spray with Bordeaux.

**ROSES—Black Spot**—This disease causes large black circular spots on the leaves. Dust with Floragard or spray with Bordeaux. **Brown Canker**—This disease shows up as purple spots on the stem and leaves. The blossoms are often attacked. Spray with Bordeaux Mixture. **Caterpillars**—There are several different kinds of caterpillars that attack Roses. The stinging Rose Caterpillar is one. Dutox will destroy all caterpillars. **Mildew**—This disease covers the leaves, buds and young shoots with a white, flour-like mold. To control this, dust once every five days with Floragard. **Leaf Roller**—Leaf Rollers often attack Roses. The Olique Banded Leaf Roller feeds on the leaves and buds. To control this pest dust with Floragard. **Rose Scale**—A gray or whitish circular scale that readily sloughs off. Spray in the early spring before the buds open or in late fall after the leaves are off, with Volck or Oil Emulsion. **Aphis or Plant Lice**—These are small, soft-bodied insects. They are green, red and black in color and cluster around the young shoots and under the leaves, causing the leaves to curl under. These pests attack every kind of flower and shrub. To control them, spray regularly once every four or five days with Evergreen or Black Leaf 40.

**SNAPDRAGON—Blight**—This disease causes yellow spots on the leaves. Later they turn dark. **Anthrachnose**—This disease is like blight. Spray with Bordeaux Mixture. **Rust**—One of the most serious diseases of Snapdragons; rusty brown pustules of spores formed on leaves and stems. Use Floragard or Superfine Sulphur.

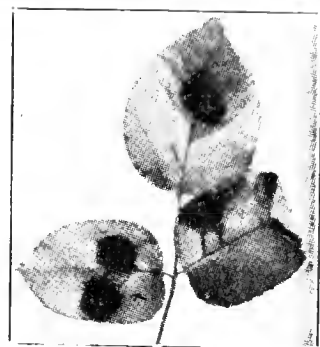
**ZINNIA—Leaf Spot**—This disease causes large black spots on the leaves, which can be controlled by using Bordeaux Mixture. **Webworms or Caterpillars**—Webworms attack many different flowers, shrubs and trees. It is one of the common caterpillars. Spray with Dutox or Arsenate of Lead.

## Scale Insects of Shade Trees and Shrubs

Shade trees and shrubs about the home grounds are frequently infested with scale insects—the most common being Oyster Shell Scale, European Elm, Cottony Maple, Tulip, Pine-Leaf, Terrapin Scales, and San Jose Scale.

**Oyster Shell Scale**—Is already described under Apple. It is a serious pest of Lilac, Poplar, Ash, Willow and ornamental Dogwood. **Rusty Evergreens**—During the hot, dry summer weather the Red Spider multiplies rapidly. The Red Spider is a minute light red insect. The injury caused by this insect is very conspicuous on Evergreens and the foliage becomes a rusty color. Spray infested Evergreens (including Cedars, Pines, Firs, Spruces, etc.) with Volck, Lime Sulphur Solution, or dust with Superfine Sulphur, when the temperature is below 90 degrees.

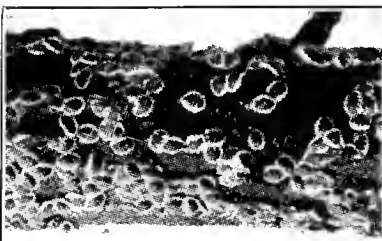
**CHEWING INSECTS OF TREES AND SHRUBS**—Shade trees and shrubs are frequently attacked by certain leaf-eating insects as Bag Worm, Web Worm and Common Caterpillars. Nearly all shade trees and shrubs are attacked by some form of leaf-eating insect. **Bag Worm**—Is first noticed by a tapering bag ½ to 2 inches long suspended from twigs and leaves, within which is a worm that feeds on the foliage, all the time carrying the bag-like home with it. Most often found on Arbor Vitae, but may attack other shrubs or trees. **Web Worm**—Forms conspicuous webs inclosing skeletonized, browned leaves and hairy caterpillars, usually in the fall. The unsightly nests or webs are easily recognized. **Tussock Moth**—The newly hatched caterpillars of the Tussock Moth are gorgeous creatures about an inch and a half long, with four dense white tussocks or brushes of hair on their backs. These caterpillars feed on a variety of shade trees. All the above described chewing insects that attack shrubs and shade trees may be controlled by spraying thoroughly with Arsenate of Lead or Dutox just as soon as the insects appear. The upper and lower surface of all leaves must be covered with the spray material. Spraying must be done just as soon as any chewing insect appears.



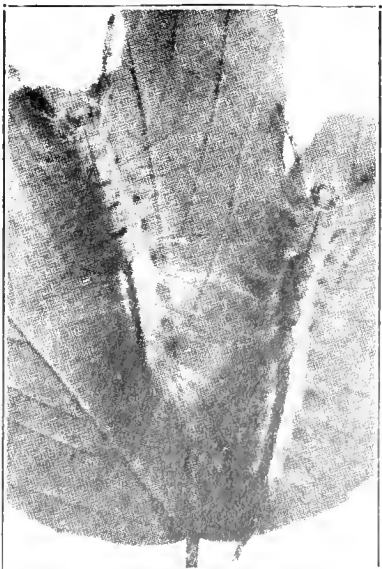
Black Spot on Roses. A Serious Fungus Disease Which Requires Constant Attention.



Aphis or Plant Lice on Nasturtiums



Oyster Shell Scale



Tussock Moth or Caterpillar

**SHADE TREES**  
are very valuable.  
Inspect yours twice  
each year.





## Buchanan's Dependable Insecticides

Order early. Fruit trees should be sprayed late in winter or very early in spring. We have written four pages—Nos. 72, 73, 74, 75—about spraying fruits, vegetables, flowers and shade trees.

A few years ago, when the U. S. Department of Agriculture developed the formula for Oil Emulsion and made certain claims for it, many good orchardists accepted their recommendations and have continued using it, to their entire satisfaction. Most of the more skeptical orchardists have since been convinced of its merits, and the use of Oil Emulsion has steadily grown. An Emulsion can be made of any oil from coal oil up to the extremely heavy oils, but Oil Emulsion made of the light and low grade oils will not control scale and will frequently injure fruit trees. Buchanan's Oil Emulsion is made exactly according to U. S. Government Formula.

**BUCHANAN'S OIL EMULSION**—For a dormant spray, Buchanan's Oil Emulsion provides the cheapest, most effective and complete control of scale insects, aphids and thrips that winter over on trees. For scale control on all fruit trees, use 1 gallon Oil Emulsion to 24 gallons water, or 2 gallons to 48 gallons water for a 50-gallon mixture. If your water is extremely hard, 4 pounds Bordeaux added to each 50 gallons of water, before adding the oil, will prevent oil from curdling. To get best results, every part of the tree must be completely covered. Spray in fall, after leaves and fruit are off, or in spring before buds swell. To control peach leaf curl and scale, combine Buchanan's Oil Emulsion with prepared Bordeaux Mixture or home-made Bordeaux, directions page 77.

Price—1 qt., 35c; ½ gal., 50c; 1 gal., 65c; 5 gals., \$2.25; 10 gals., \$4.00; 15 gals., \$5.45; 25 gals., \$7.00; 50-gal. bbl., \$10.00. Post paid—1 qt., 50c; ½ gal., 65c; 1 gal., 85c.

**LIME SULPHUR SOLUTION**—Is an insecticide as well as a fungicide, free from sediment and works through the nozzle easily. Used as an insecticide to control San Jose scale, blister mite and similar sucking or scale insects, at a dilution of 1 gallon to 8 gallons of water and applied either after the leaves drop in the fall or before the buds open in the spring. For small quantities, use 1 pint Lime Sulphur Solution to 1 gallon of water. Never use at this strength when trees are in foliage. The spring application, just before the buds swell, will assist in controlling leaf blister mite, plant lice and peach leaf curl and is advisable in orchards when the scale is already under control. To control scab, leaf spot and similar fungus diseases on apples and pears, 1 gallon to 50 gallons water.

Price—1 qt., 35c; ½ gal., 50c; 1 gal., 65c; 5 gals., \$2.25; 10 gals., \$4.00; 15 gals., \$5.45; 25 gals., \$7.00; 50-gal. bbl., \$10.00. Post paid—1 qt., 50c; ½ gal., 65c; 1 gal., 85c.

**BLUESTONE-COPPER SULPHATE**—Used more each year in making home-mixed Bordeaux. By proceeding according to the following directions, one can make their Bordeaux Mixture at home very cheaply: Dissolve Bluestone at the rate of one pound to each gallon of water. The only way Bluestone can be dissolved is by suspending it over a period of hours in a bag so that the bottom of the bag extends about 3 inches below the surface of the water. Using any kind of a container, dissolve Hydrated Lime at the rate of 1½ pounds to each gallon of water. To each 42 gallons of water add 4 gallons of the concentrated Bluestone solution. Then, while stirring vigorously, add 4 gallons of the concentrated Lime solution. This makes 50 gallons of 4-4-50 strength Bordeaux Mixture. In case you need a 3-4-50 strength, use only 3 gallons of the Bluestone solution, and if you wish a 5-4-50 strength, use 5 gallons of the Bluestone solution, but do not change the other ingredients. By combining the Bluestone and the Lime Water solutions at different proportions, one can make any strength Bordeaux Mixture desired. Bordeaux Mixture at the proper strength, in combination with Arsenate of Lead, is used to spray grapes and pecans during the entire season. In case you wish to avoid the delay of dissolving the Bluestone crystals, you can use the Snowform Bluestone, priced below, which will go into solution instantly. Bluestone is also used in spraying potato storage houses—use 1 pound to 5 gallons of water.

**CRYSTALS**—Post paid—1 lb., 25c; 5 lbs., 85c; 10 lbs., \$1.25; 25 lbs., \$2.75; 50 lbs., \$5.00. At Store—1 lb., 15c; 5 lbs., 65c; 10 lbs., \$1.00; 25 lbs., \$2.25; 50 lbs., \$4.00; 100 lbs., \$6.25.

**SNOWFORM** (Powdered)—Post paid—1 lb., 30c; 5 lbs., 95c; 10 lbs., \$1.40; 25 lbs., \$3.00; 50 lbs., \$5.25. At Store—1 lb., 20c; 5 lbs., 75c; 10 lbs., \$1.15; 25 lbs., \$2.50; 50 lbs., \$4.25; 100 lbs., \$6.50.

### ORTHO DRY SPREADER (A Spray Depositor)

**ORTHO DRY SPREADER (A Spray Depositor)**—During the past several years there has been developed a new type of spreader and spray depositor, known as a non-casein, colloidal spreader. By using small amounts of this spreader, an even, heavy protective covering is obtained with such materials as Lead Arsenate and other arsenicals, with Bordeaux Mixture, Sulphur Mixture, and Lime-Sulphur. It prevents also blotched coloring of fruit at harvest, so common where sprays are applied which give a spotted coverage on the fruit.

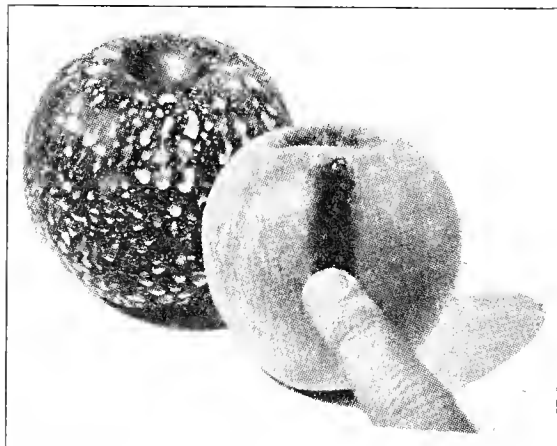
This new type spreader and spray depositor has entirely replaced casein spreaders in the Northwest for the past several years, and has decidedly "made good" in Eastern fruit districts. Ortho Dry Spreader should be used at the rate of ½ pound to 50 gallons of water.

Post paid—1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50; 25 lbs., \$5.75. Not Prepaid—1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.20; 25 lbs., \$5.00; 50 lbs., \$10.00.

**CASEIN SPREADER**—Most sprays collect in drops that frequently drop off, and only the surface under the drop is protected. Casein Spreader makes the spray spread, makes it stick and makes it cover a greater surface. It can be used with Bordeaux Mixture, Arsenate of Lead, Paris Green, and Lime Sulphur and with combinations of these sprays. It reduces the injury caused by soluble arsenic in all arsenical sprays. Use two heaping tablespoonfuls for each 5 gallons of spray, or 1 pound for each 50 gallons.

Price—Post paid—1 lb., 35c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.25. Not Prepaid—1 lb., 25c; 2 lbs., 50c; 5 lbs., \$1.15; 10 lbs., \$2.00; 25 lbs., \$4.75; 50 lbs., \$8.75; 100 lbs., \$17.00.

**ZINC SULPHATE**—Peach Bacterial Spot has become destructive in practically all peach sections in Eastern United States. Zinc Sulphate is the complete control for this disease. Use Zinc Sulphate in each of the summer sprays beginning with the petal-fall spray. Full directions on each package. Price—Post paid: 1 lb., 25c; 4 lbs., 80c; 12 lbs., \$1.50; 25 lbs., \$2.90; 50 lbs., \$4.50. Not prepaid: 1 lb., 15c; 4 lbs., 50c; 12 lbs., \$1.25; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.50.



**LEFT**  
Apple sprayed with Lead Arsenate, no Spreader. Note blotchy, uneven distribution of the Lead. This means poor control.

**RIGHT**  
Apple sprayed with Lead Arsenate-Spreader combination. Note even Lead coverage. Complete protection from worm attack.



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

### BORDEAUX (for Fungus Diseases)



**BORDEAUX MIXTURE, DRY**—A spray for fungus diseases of fruit trees, shrubs and flowers, especially black spot on roses. Fungus troubles must be prevented by spraying at regular intervals. All Bordeaux is packed in 4-pound packages for your convenience in measuring. Price—post paid—1 lb., 40c; 4 lbs., \$1.00; 12 lbs., \$2.50; 24 lbs., \$3.50; 48 lbs., \$6.70. At Store—1 lb., 25c; 4 lbs., 80c; 12 lbs., \$2.20; 24 lbs., \$3.00; 48 lbs., \$6.00; 96 lbs., \$12.00.

### DRY LIME-SULPHUR

—For dormant spraying

against San Jose scale and peach-leaf curl; for summer spraying against apple and pear scab. Price, post paid—1 lb., 35c; 5 lbs., \$1.25; 12½ lbs., \$1.90; 25 lbs., \$3.75; 50 lbs., \$7.35. Not prepaid—1 lb., 25c; 5 lbs., \$1.00; 12½ lbs., \$1.50; 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$10.50; 200 lbs., \$19.00.



### KOPPERS FLOTATION SULPHUR

An exclusive product—a new and improved fungicide of microscopic ultra-fineness, prepared especially for the fruit grower. All authorities agree that the finer the sulphur, the better and surer the results. Non-caustic, which makes it especially popular with the men who do the actual spraying. Tested and approved by hundreds of horticultural experts. Used and recommended by leading fruit growers. And known everywhere for the

beautiful finish it gives to fruit. Can supply only in 10 lbs. or multiples of 10 lbs.

Prices—post paid—10 lbs., \$1.85; 30 lbs., \$4.90; 60 lbs., \$7.95. Not prepaid—10 lbs., \$1.70; 30 lbs., \$4.50; 60 lbs., \$7.25; 100 lbs., \$12.00.



**SULFORON**—It should be used as a summer spray on peaches, plums and cherries at the rate of 2½ to 3 pounds to 50 gallons of water. As a summer spray on apples it should be used at the rate of 3 to 4 pounds

to 50 gallons of water. To control mildew on roses and similar diseases on other ornamentals, use at the rate of 3 to 4 pounds to 50 gallons of water or apply as received, dusting on the foliage. If leaf-eating insects are present, add Arsenate of Lead in quantities recommended for spraying; if applied as a dust, mix one part of Arsenate of Lead to nine parts Sulforon. Price—post paid—1 lb., 30c; 4 lbs., 75c; 8 lbs., \$1.40; 24 lbs., \$3.25; 48 lbs., \$5.75. At Store—1 lb., 20c; 4 lbs., 60c; 8 lbs., \$1.20; 24 lbs., \$2.75; 48 lbs., \$5.95; 96 lbs., \$9.75.

**DRITOMIC SULPHUR**—It is easily mixed and can be used with Arsenate of Lead if Lime is added. Dritomic Sulphur is an excellent preventive for all fungus troubles, bitter, brown rot, scab, etc. It is suitable for both peaches and apples. Full directions on each package. Price—post paid—4 lbs., 80c; 8 lbs., \$1.50; 24 lbs., \$3.35; 48 lbs., \$6.00. At Store—4 lbs., 65c; 8 lbs., \$1.25; 24 lbs., \$2.95; 48 lbs., \$5.00; 96 lbs., \$10.00.



**BUG DEATH**—Takes the place of Paris Green and other dangerous and poisonous insecticides. Absolutely safe to use, as it contains no poison whatever. Price—post paid—1 lb., 35c; 5 lbs., 95c; 12½ lbs., \$2.35; 25 lbs., \$4.25. Not prepaid—1 lb., 25c; 5 lbs., 75c; 12½ lbs., \$2.00; 25 lbs., \$3.90.

### GRAFTING WAX

**GRAFTING WAX**—Used for grafting scions on trees, healing cuts around the graft, very essential to all orchardists. Full directions on each package. By mail, post paid—½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.25. Not prepaid—½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.00.

### DUTOX (for Chewing Insects)

It will not burn bean foliage and will not injure the soil. It can be applied as a dust alone (six pounds per acre) or diluted with four or five times its weight of lime, road dust or some other inert material, and the gun set so as to deliver enough of the mixture to give six pounds of Dutox to the acre. As a spray use one pound of Dutox to 50 gallons of water. Dusting can be done on beans when leaves are wet without danger of burning the foliage. While Dutox is primarily recommended for use against the Mexican bean beetle, striped and spotted cucumber beetle, extensive trials by trained experimenters and practical growers indicate that it will control tobacco hornworm, tobacco flea beetle, Colorado potato beetle, egg-plant beetle, blister beetle, cabbage worm and tomato worm, when properly applied. Price—Post paid—1 lb., 40c; 6 lbs., \$1.65; 36 lbs., \$7.50. At Store—1 lb., 25c; 6 lbs., \$1.20; 1 case, 36 lbs., \$6.95.

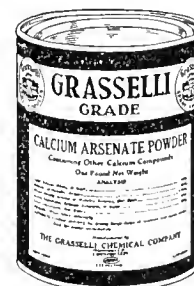


### DRY ARSENATE OF LEAD

—Does not burn the foliage, as other poisons; kills every insect that eats it; superior in every way to Paris Green; can be used dry as a powder, or as a solution in water. All Arsenate of Lead is packed in 4-lb. packages for your convenience in measuring. Price—post paid—½ lb., 30c; 1 lb., 40c; 4 lbs., \$1.00; 12 lbs., \$2.60; 24 lbs., \$4.75; 48 lbs., \$8.50. At Store—½ lb., 20c; 1 lb., 25c; 4 lbs., 80c; 12 lbs., \$2.25; 24 lbs., \$4.25; 48 lbs., \$7.75.



**CALCIUM ARSENATE**—Recommended by all experimental stations for cotton boll weevil; also a sure remedy for army and other worms. Calcium Arsenate at prices below is packed in 4-lb. packages for your convenience in measuring. Price—post paid—1 lb., 35c; 4 lbs., 80c; 12 lbs., \$1.70; 24 lbs., \$2.95; 48 lbs., \$5.75. At Store—1 lb., 20c; 4 lbs., 60c; 12 lbs., \$1.45; 24 lbs., \$2.50; 48 lbs., \$5.00; 96 lbs., \$8.00.



### SLUG SHOT (Hammond's)

—A non-poisonous powder insecticide; it requires no mixing or preparation, easily applied and not injurious to person applying it, or fruits and vegetables. Destroys potato bugs, beetles, green flies, slugs, worms, etc. Price—post paid—1 lb., 35c; 5 lbs., 90c; 10 lbs., \$1.60; 25 lbs., \$3.75. Not prepaid—1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.40; 25 lbs., \$3.50; 125-lb. keg, \$16.00.



**PARIS GREEN (Poison)**—Effective against the potato bug and tobacco and cotton worms and most leaf-eating insects. Not to be used on tender foliage such as the peach and the Japanese plum. Price—post paid—¼ lb., 25c; 1 lb., 65c; 5 lbs., \$2.20; 14 lbs., \$4.65. At Store—¼ lb., 15c; 1 lb., 50c; 5 lbs., \$2.00.



**SUPERFINE SULPHUR**—For dusting cotton hoppers, red spider, mildew on roses and for use with lime in making self-boiled lime sulphur solution.

Price, post paid—1 lb., 20c; 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.00; 50 lbs., \$3.75. Not prepaid—1 lb., 15c; 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.75; 100 lbs., \$4.00.



All Insecticides handled in compliance with NRA — Insecticide Code.



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.

BUCK BRAND TESTED SEEDS



This is a Pyrethrum insecticide, recommended for killing a wide variety of plant insects, including plant lice, cabbage worms, cut-worms, cucumber beetle, thrips, rose slugs, rose chafer, squash beetles, currant worm, mealy bugs, leaf hoppers, potato bugs or beetles, bean beetle, Japanese beetle. Full directions on each package. **Post paid price**—1 oz. (makes 6 gallons of spray), 45c; 6-oz. bottle, \$1.15; 1-pt. bottle (makes 100 gallons), \$2.15; 1 gal., \$12.30. **Not prepaid**—1 oz., 35c; 6 ozs., \$1.00; 1 pt., \$2.00; 1 gal., \$12.00; 5 gals., \$50.00.



**BLACK LEAF 40**—A nicotine solution for destroying aphids, lice, etc., on both garden and flowering plants. A teaspoonful makes one quart of solution. This is one of the most effective preparations for general sucking insects. A remarkable control for poultry lice, that does away with dusting, dipping or greasing, and yet is absolutely effective and unbelievably simple. **Post paid**—1 oz., 45c; 5 oz., \$1.15; 1 lb., \$2.45; 2 lbs., \$3.50; 5 lbs., \$6.25; 10 lbs., \$10.40. **At Store**—1 oz., 35c; 5 ozs., \$1.00; 1-lb. tin, \$2.25; 2-lb. tin, \$3.25; 5 lbs., \$5.85; 10-lb. tin, \$9.85.

**BLACK LEAF 40 TOBACCO DUST**—Sure death to all plant lice and aphids. For best results, dust on when foliage is damp. Our tobacco dust is of extra fine quality, very strong in nicotine content. **Price—post paid**—1 lb., 20c; 5 lbs., 55c; 10 lbs., 80c; 25 lbs., \$1.90; 50 lbs., \$2.95. **At Store**—1 lb., 15c; 5, 45c; 10, 60c; 25, \$1.25; 50, \$2.00; 100, \$3.95.



**CROW-TOX**—A Crow Repellent—Crow-Tox protects corn from crows, blackbirds, moles, etc. It aids and hastens germination, which means healthier stalks and larger yields per acre. Crow-Tox will not kill birds or animals. Saves seed loss and replanting.

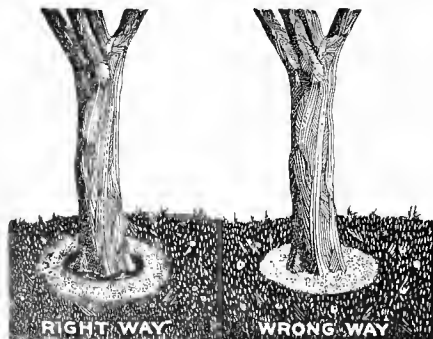
½-pint can, treats 1 bushel seed corn, 75c, post paid.

1-pint can, treats 2 bushels seed corn, \$1.15, post paid.

1-quart can, treats 4 bushels seed corn, \$1.75, post paid.



**VOLCK**—For the garden, greenhouse, florist and nurseryman. It successfully controls scale, mealy bug, white fly, red spider, and mites, aphids, caterpillars and many other insect pests. Rose mildew is prevented by spraying with VOLCK. Full directions on each can. **Price—post paid**—½ pt., 45c; 1 pt., 65c; 1 qt., 95c; 1 gal., \$2.75. **At Store**—½ pt., 35c; 1 pt., 55c; 1 qt., 80c; 1 gal., \$2.50.



Applying Paradichlorobenzene

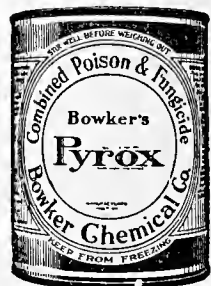
Kills and controls plant lice, thrips, leaf hoppers, Harlequin bugs, red spiders, etc. If your muskmelon and cucumber crops are bothered with worms, use Shep's Plant Spray once a week. Kills lice on turnip greens, etc. **Price—post paid**—½-oz. bottle, 15c; 1½ ozs., 35c; ½ pt., 85c; 1 pt., \$1.40. **At Store**—½ oz., 10c; 1½ ozs., 25c; ½ pt., 75c; 1 pt., \$1.25.

**PARADICHLOROBENZENE**—Kills peach tree borer. In the Upper South, September 15 to October 5 is the right time to apply; Middle South, October 1 to 15; and Lower South, October 10 to November 15. Can also be used in spring. For trees that have grown three years, use three-fourths of an ounce as a dose. Use only one-fourth ounce on trees that have grown two years. For trees four years of age and older, use one ounce. For abnormally large ones, use 1¼ ounces. **Price—post paid**—1 lb., 55c; 5 lbs., \$1.90; 10 lbs., \$3.25; 25 lbs., \$6.50; 50 lbs., \$12.75. **Price, at Store or not prepaid**—1 lb., 45c; 5 lbs., \$1.75; 10 lbs., \$2.95; 25 lbs., \$6.00; 50 lbs., \$11.00; 100-lb. drum, \$20.00.

**FLORAGARD ROSE DUST**—National authorities on rose disease and insect controls have reported that Floragard is the most effective control known for black spot, brown canker, mildew and leaf-eating insects on roses. It has also proved effective as a fungicide and insecticide on snapdragons, asters, hollyhocks and carnations. **Price, post paid**—1 lb., 60c; 5 lbs., \$1.75. **At Store**—1 lb., 45c; 5 lbs., \$1.50.



**PYROX**—Keeps crows and blackbirds out of the corn field. It has a very nasty taste, which the pests hate. They never bother the fields where Pyrox has been used. Pyrox is a big help in producing a better and earlier crop. Pyrox-treated seed corn not only germinates sooner, but frequently results in better than a 90% germination. Use Pyrox also to spray potatoes, tomatoes, melons and beans. **Prices—post paid**—1 lb., 65c; 5 lbs., \$1.95; 10 lbs., \$3.35; 25 lbs., \$5.50. **At Store**—1 lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$5.00.



**LORO**—Kills aphids, thrips, red spider, mealy bug (young stages), and many others. Loro mixes well with water. No additional spreading agent is required with Loro when used against practically all of the common aphids. However, for aphids on waxy foliage such as cabbage, soap is recommended. Soap must also be added to the spray solution for thrips, red spider, leaf hoppers, mealy bugs and similar insects. Use soap-suds made up from mild soap chips and warm water. **Prices, post paid**—pint, \$2.20; gallon, \$10.15. **At Store**—pint, \$2.00; gallon, \$9.75; 5 gallons, \$43.75.



**FISH OIL SOAP (40% Potash)**—A soap effective in destroying many sucking insects and lice on plants, trees and ferns. For mild forms of scale. An excellent summer spray, when something stronger cannot be used, where the San Jose scale exists. **Price—post paid**—1 lb., 40c; 5 lbs., \$1.60; 10 lbs., \$2.50. **Not prepaid**—1 lb., 30c; 5 lbs., \$1.40; 10 lbs., \$2.25.



A new discovery, kills without burning; non-poisonous; effective against lice on turnip greens; leaf-hoppers and worms that bother cantaloupe and cucumber. 1-ounce bottle makes 8 gallons. **Price—post paid**—1 oz., 45c; ¼ pt., \$1.15; ½ pt., \$1.90; pt., \$3.40; qt., \$6.25. **At Store**—1 oz., 35c; ¼ pt., \$1.00; ½ pt., \$1.75; pt., \$3.25; qt., \$6.00.

**RED ARROW**  
NON-POISONOUS  
**INSECT SPRAY**  
(PYRETHRUM DERRIS SOAP)

**SCALECIDE**  
WITH FUNGICIDE  
FOR ALL SOFT-BODIED, SUCKING INSECTS

**SCALECIDE (Miscible Oil Spray)**—A complete dormant spray for fruit trees, shrubs and vines. Kills scale, insects, eggs, larvae and disease cankers and fungus spores, wintering on the plant. Full directions on each container. **Price**—1 qt., 65c; 1 gal., \$1.55; 5 gals., \$5.50; 10 gals., \$9.50; 15-gal. drum, \$13.25; 30 gals., \$21.00; 50 gals., \$29.00.

**Shep's Plant Spray**





R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE



BUCK BRAND TESTED SEEDS

## RAT POISONS AND PEST KILLERS

**KILLS  
RATS**



**without poison**

K-R-O is made of red squill, an ingredient recommended by U. S. Government as sure death to rats and mice but which will not kill anything else. K-R-O killed 238 rats in 12 hours on a Kansas farm. At drug stores; money-back guarantee.

**K-R-O**  
KILLS-RATS-ONLY

K-R-O Prices—Small size, post paid, 85c; at Store, 75c. Large size, post paid, \$2.10; at Store, \$2.00.

### Red Cross Rat and Mouse Embalmer

A sure rat and mouse destroyer that does the work thoroughly and without any odor. Post paid, 35c and 60c. At Store, 25c and 50c.



## TOPZOL prepared RAT BAIT

A new non-poisonous exterminator of rats and mice. Harmless to man and domestic animals, poultry, dogs or cats. Purchase price refunded if it fails. Price—1 pkg., 15c; by mail, 25c; 6 for 90c, post paid. Dealers write.

## SANASEED

A SEED THAT KILLS MICE  
PREFERRED TO FOODSTUFFS

A scientifically prepared mouse exterminator. It's a tiny imported seed, scientifically treated in such a way that practically all the chemical is absorbed by the kernel. The mice gnaw the seed to reach the kernel, leaving the hull. They then go outside to die. Price—Pkg. 15c, post paid 25c; 1 carton, 24 pkgs., \$3.00, post paid \$3.20.

### BEE BRAND

World's Largest Selling  
Insect Powder

—because it is certain death to flies, ants, moths, lice, mosquitoes, roaches and other household and poultry insects. Absolutely harmless to humans, animals and pets. Forty-five years on the market. 25c, 50c, \$1.00 cans. By mail, 30c, 60c, \$1.10.



### Tobacco Powder

Controls round worm in poultry. Easy to use and very inexpensive. Mix 2 pounds of this extra fine quality Tobacco Powder in 100 pounds of mash.

2-lb. pkg., 25c; post paid, 40c. Bulk, 10 lbs., 85c; post paid, \$1.10.

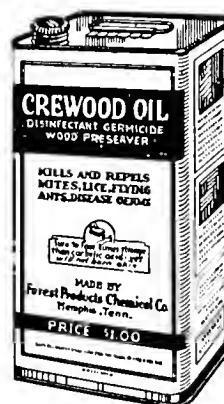


Mix five teaspoonfuls of Ever Green per gallon of soapy water and pour this mixture on the ant hill until the solution soaks down several inches, killing the queen ant. Ever Green will not damage the soil or grass. Price, at Store—1 ounce, 35c; 6 ounces, \$1.00; pint, \$2.00; gallon, \$12.00. Post paid—1 ounce, 45c; 6 ounces, \$1.15; pint, \$2.15; gallon, \$12.30.

### Crewood Oil

Paint or spray the poultry house with Crewood Oil. Insects, mites or lice can not survive where it is. It is a special distilled wood creosote that soaks into the wood and kills the germs and mites instantly.

1-gal. can ..... \$0.90  
2½-gal. drum ..... 1.50  
5-gal. drum ..... 2.50  
10-gal. drum ..... 4.50



### TERRO Ant Killer

Will Rid Your Place of Ants in 24 Hours  
or Money Back—We Sell It

Dead sure and quick relief from ants of all kinds. Simply pour the preparation where ants enter the house or where they travel. Price—Post paid, 35c; at Store, 25c.



Simply paint the perches, it works while chickens sleep. Post paid—1 oz., 45c; 5 oz., \$1.15; 1 lb., \$2.45; 2 lbs., \$3.50; 5 lbs., \$6.25; 10 lbs., \$10.40. At Store—1 oz., 35c; 5 oz., \$1.00; 1-lb. tin, \$2.25; 2-lb. tin, \$3.25; 5 lbs., \$5.85; 10-lb. tin, \$9.85.

### Black Leaf Worm Powder

A Flock Treatment—For round and pin worms in poultry. Post paid—¼ lb., 100 bird size, 85c; 1½ lbs., 600 bird size, \$3.00. At Store—¼ lb., 75c; 1½ lbs., \$2.90.



### Roach Killer

This preparation is not poisonous to pet animals or human beings. It affects only such insects as roaches, water bugs, etc., and can be used in the home and pantry with freedom. Small size, 40c; large size, 75c; post paid.

### Ant Bane

Will rid any building of house ants; also effective against outdoor ants, house centipedes, blood-sucking cone-nose, book lice, white ants and similar troublesome insects that resist other means of riddance, when properly applied. Small size, 40c; large size, 75c; post paid.

### Bed Bug Killer

Kills the bug and the egg; insures peaceful sleep. Positively will destroy bed bugs, mites, ticks and lice in the poultry house; all fleas, ants, weevils, beetles, skippers, meal worms. Small size, 40c; large size, 75c; post paid.



### Antrol

Offers quick and complete relief. Poured in receptacles at places where the ants may be seen. Safe around pets.

Simply place the glass "feeders" along ant trails, and the ants carry the Antrol Syrup to their nests for food—quickly killing the queen and the entire ant family—the only way to get lasting relief. Four filled feeders, post paid, 65c; at Store, 50c.



### Acme Ant-Kill

The Acme Ant-Kill cottage set contains 3-ounce bottle syrup, 5 service cups and 5 nails. For large premises, syrup is offered in larger quantities, with service cups extra as may be required. Price—1 set, 60c; post paid, 85c.



### BABY CHICKS



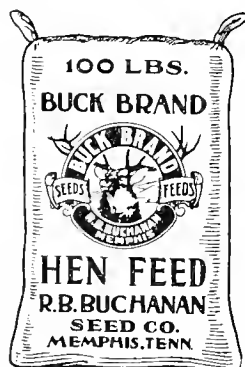
(See Inside Back Cover)

For forty-five years I have hatched, fed and sold baby chicks. Today practically all chicks are hatched by electricity—Memphis has three of these hatcheries who hatch the chicks we sell. They employ Memphis help who spend their money with Memphis merchants, who in turn buy the products of your Farm, Poultry Yard and Orchard. NRA Code No. 1853.

The feed chicks need during the first six weeks after hatching. It contains cod liver meal and minerals; reduces the mortality in the flock, makes strong bones, firm flesh and healthy birds. Price, post paid—5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.40. At Store, 25 lbs., 95c; 50 lbs., \$1.70; 100 lbs., \$3.15.



Has been on the market for 25 years—mixed of good, wholesome grains to furnish all that is needed in a scratch grain. Write for prices on quantities. Price, post paid—5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.15. At Store, 25 lbs., 75c; 50 lbs., \$1.45; 100 lbs., \$2.70.



Aids digestion, purifies the blood, regulates the bowels and it is necessary that fowls, young and old, have access to it at all times. Three sizes—fine, medium or coarse. 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.25.



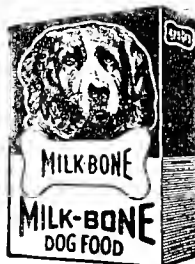
### DOG AND PUPPY FOOD



SENATOR VEST'S  
"TRIBUTE TO  
A DOG"

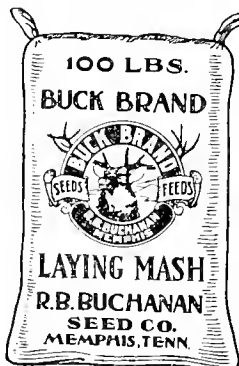
Send 6c in stamps for above 600-word address, "Tribute to a Dog"—if not satisfied, you do not love a dog.

For feeding fully matured dogs; the size cake for large adult dogs. Small box, post paid, 30c; at Store, 20c. Large box, post paid, 45c; at Store, 35c.



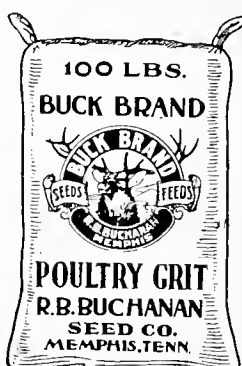
The cakes are just the size for puppies and small dogs. Small box, post paid, 30c; at Store, 20c. Large box, post paid, 45c; at Store, 35c.

Pure food materials, including clean beef meat; is very small cake used for small puppies and toys. Small box, post paid, 30c; at Store, 20c. Large box, post paid, 45c; at Store, 35c.



It contains grain products, dry form, necessary minerals, protein and carbohydrates, just the right properties the hens need to make eggs in quantities. Price, post paid—5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.25. At Store, 25 lbs., 80c; 50 lbs., \$1.50; 100 lbs., \$2.85.

A necessary aid for both small and large birds. Should be before the fowls in a hopper at all times; shell and yolk maker. Two sizes—chick and hen. 25 lbs., 50c; 50 lbs., 75c; 100 lbs., 95c.



### Dirt-Proof, Washable GARDEN GLOVES

ALL LEATHER  
DURABLE  
EXTRA SOFT  
Easy to Wear

—for Men and Women

Eezy Wear gives you everything you want in a garden glove: all-leather protection from dirt, scratches, stains, infection—yet permit almost BAREHAND FREEDOM. Their amazing softness and pliability are the result of a special processing of select lamb skins. Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for gardening, housework, painting, furnace, garage, etc.

Sizes for WOMEN (small, medium, large) and MEN (small, medium, large). Price, 75 cents a pair, postpaid. (2 pr. \$1.40.)

NATIONAL  
**Eezy Wear**  
GLOVES

### Mulch Paper

Write for a free copy of our 31-page book, "The Miracle of Mulch Paper," which is illustrated and tells all about the value of Mulch Paper, besides how to use it.

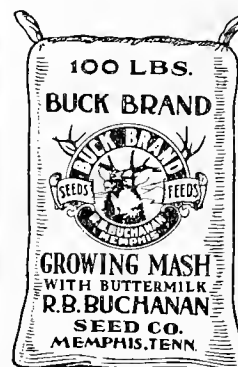
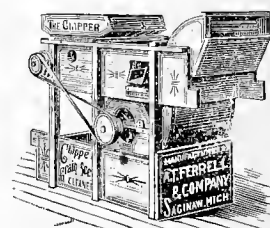
Mulch Paper—(Light weight roll for annual crops)—18 inches wide, 300 yards long. Price, \$1.50 per roll. 36 inches wide and 300 yards long. Price, \$2.50 per roll.

Mulch Paper—(Heavy weight for perennial crops)—18 inches wide, 150 yards long. Price, \$1.50 per roll. 36 inches wide and 150 yards long. Price, \$2.50 per roll.

### CLIPPER GRAIN AND SEED CLEANER

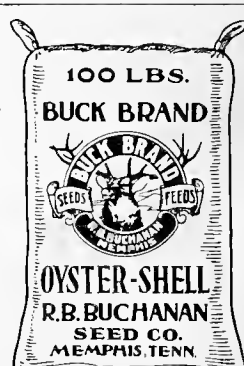
The vertical air blast cleaner fans and separates all kinds of seeds and grain. Ask for circular.

Price, No. 1 B Clipper Cleaner with Screens, each, \$39.00. Price, No. 2 B Clipper Cleaner with Screens, each, \$45.00.



Should be fed from the sixth week until the sixth month. Oatmeal in the mash insures fine flavored breast meat. Continue feeding the growing mash through the summer months. Price, post paid—5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.25. At Store, 25 lbs., 80c; 50 lbs., \$1.50; 100 lbs., \$2.85.

Contains carbonate of lime, same composition as egg shell. The hens need Oyster Shell at all times, to produce eggs. Two sizes—coarse and fine. 25 lbs., 50c; 50 lbs., 75c; 100 lbs., 95c.





## Buchanan's Dog Foods and Remedies



### PEERLESS DOG RATION

Popular with kennels and relished by all dogs. Made of cereals, meat, bone and other healthy items; the ration contains 35% meat. Mixed with water, table scraps, or any liquid, into the cheapest ration that can be procured. Post paid—5 lbs., 55c; 10 lbs., 95c; 25 lbs., \$1.75. At Store—5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.35; 50 lbs., \$2.50; 100 lbs., \$4.75.



**KEN-L-RATION**—Is a guaranteed, scientifically balanced combination of fresh meat, whole cereals and cod liver oil tested for vitamin potency. It is as clean, pure and wholesome as the food on your own table. The amount of each ingredient has been scientifically determined to assure the vitamins, proteins and carbohydrates—indispensable in the daily diet of your dog.

	1 Pound	3 Cans	6 Cans	Case, 48 Cans
At Store	\$0.15	\$0.35	\$0.60	\$4.50
Post paid	.25	.50	.90	5.25

**PUP-E-RATION**—Contains red meat, organic iron, calcium phosphate, Norwegian cod liver oil and marrow meat—the elements necessary for growth of body, bone and coat. Ready to serve. Packed in 1-pound tin cans.

	1 Can	3 Cans	6 Cans	Case, 48 Cans
At store	\$0.15	\$0.45	\$0.85	\$5.75
Post paid	.30	.60	1.05	6.50

**HEMO-RATION**—Is a meat, blood, cereal and cod liver oil product. Ideal food for breeding stock, anemics and convalescents.

	1 Can	3 Cans	6 Cans	Case, 48 Cans
At Store	\$0.15	\$0.45	\$0.85	\$5.75
Post paid	.25	.60	1.05	6.50

**KIT-E-RATION**—Is a scientifically balanced food especially prepared for cats and kittens. A cat's or kitten's daily diet demands the clean, wholesome, fresh liver, meat, whole cereals, cod liver oil and other ingredients so carefully proportioned in Kit-E-Ration.

	1 Can	3 Cans	6 Cans	Case, 48 Cans
At Store	\$0.15	\$0.45	\$0.85	\$5.75
Post paid	.25	.60	1.05	6.50



**PULVEX FOR DOGS AND CATS.** Use Pulvex Flea Powder twice a month.

**PULVEX 6**—Use Dog Soap, tones, oils, grooms, kills fleas and lice.

	Post Paid	At Store
Pulvex Lice Powder (Canaries) ..	\$0.30	\$0.25
Pulvex Flea and Lice Powder (Dogs), 2 oz.....	.55	.50
12 oz.....	1.35	1.25
Sopex, 2 oz.....	.55	.50
4 oz.....	.80	.50
Pulvex Dog Soap.....	.55	.50

**PEERLESS DOG CAKES—QUADS**—Meat Content Stepped Up—Peerless is complete in all essential food elements—the Quads contain 40% meat. Peerless has the largest meat content of any cereal and meat compounded food on the market today. It is an economical concentrated food—correctly proportioned—high in mineral and vitamin content.

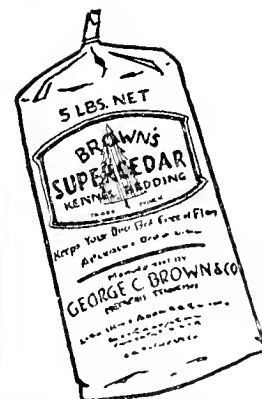
Post paid—3 lbs., 40c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.85; 50 lbs., \$3.25. At Store—3 lbs., 25c; 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.35; 50 lbs., \$2.60; 100 lbs., \$4.90.

### KRESO DIP—For Dogs—

Fleas, lice and sarcoptic mange—wash the dog thoroughly in a freshly prepared dilution of 1 part of Kreso Dip No. 1 to 100 parts of warm water, keeping the animal wet for one minute. Delicate skinned animals should then be washed with warm water and soap. Repeat as required at intervals of seven days. The kennels and bedding should be washed or sprayed with a dilution of 1 part of Kreso Dip No. 1 to 50 parts of boiling water.

**For Poultry**—Lice, fleas—dip the fowls, except young chickens, in a dilution of Kreso Dip No. 1, 1 part to 100 parts warm water. Repeat in eight days as frequently as necessary. Keep poultry from hot sun after dipping. Clean up and burn trash to get rid of flea eggs and young fleas. Wash the floors and nests with a dilution of 1 part Kreso Dip to 50 parts of boiling water.

Post paid—Pt., 65c; qt., 95c; ½ gal., \$1.30; gal., \$2.15. At Store—Pt., 50c; qt., 75c; ½ gal., \$1.10; gal., \$1.90.



**CEDAR BEDDING**—Is made exclusively from Red Cedar, the heart wood of which contains the wonderful Oil of Cedar. It is clean, luxurious, velvety and fragrant, is produced 90% or more red heart wood, dried, and none of the valuable oil has been removed. The oil of cedar wood in this bedding is the dog's natural friend. The aroma from this oil, so pleasant to you and to animals, is very offensive to fleas and other insects. The aroma also counteracts animal odors. Cedar Bedding is excellent for putting under nests in poultry houses to keep away mites and lice.

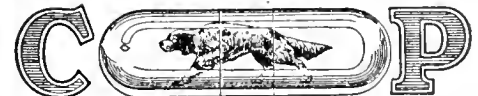
Price—At Store, 5 lbs., 35c; 10 lbs., 65c; 50 lbs., \$2.00.

### Glover's Dog Remedies

	Each	Post Paid
Glover's Antiseptic Mouth Wash.....	\$0.65	\$0.75
Glover's Blood Purifier.....	.65	.75
Glover's Canker Wash.....	.65	.75
Glover's Comp. Sulphur Tablets.....	.65	.70
Glover's Condition Pills.....	.65	.70
Glover's Diarrhea Medicine.....	.65	.75
Glover's Digestive Pills.....	.65	.70
Glover's Eye Lotion and Eye Wash Powder.....	.65	.75
Glover's Iron Tonic.....	.65	.75
Glover's Flea and Insect Powder.....	.50	.60
Glover's Kennel and Flea Soap.....	.25	.30
Glover's Laxative Pills.....	.65	.75
Glover's Liniment.....	.65	.75
Glover's Mange Medicine.....	.75	.85
Glover's Medicated Soap.....	.30	.35
Glover's Nerve Sedative (for fits).....	.65	.75
Glover's Round Worm Capsules.....	.65	.70
Glover's Round Worm Vermifuge.....	.65	.70
Glover's Sore Foot Medicine.....	.65	.75
Glover's Tape Worm Capsules.....	.65	.75
Glover's Tetrachlorethylene Capsules.....	.65	.70

### Sergeant's Dog Medicines

	Each	Post Paid
Sergeant's Arsenic and Iron Pills.....	\$0.60	\$0.65
Sergeant's Canker Wash.....	.60	.65
Sergeant's Carbolic Tar Soap.....	.25	.30
Sergeant's Condition Pills.....	.60	.65
Sergeant's Disinfectant, 4 ozs.....	.25	.35
Sergeant's Disinfectant, 12 ozs.....	.50	.65
Sergeant's Diuretic Pills—Rheumatism.....	.60	.65
Sergeant's Eye Wash.....	.60	.65
Sergeant's Intestinal Astringent—Diarrhea.....	.60	.65
Sergeant's Laxative Capsules.....	.60	.65
Sergeant's Liniment.....	.60	.65
Sergeant's Mange Medicine.....	.65	.75
Sergeant's Mouth Wash.....	.60	.65
Sergeant's Nerve Sedative—Running Fits.....	1.20	1.30
Sergeant's Pepsin Tablets.....	.60	.65
Sergeant's Puppy Worm Capsules.....	.60	.65
Sergeant's Shampoo Soap.....	.25	.30
Sergeant's Skip Flea Powder.....	.25	.35
Sergeant's Skip Flea Soap.....	.25	.30
Sergeant's Special Distemper.....	1.20	1.30
Sergeant's Worm Capsules.....	.60	.65
Sergeant's Worm Liquid.....	.60	.65
Sergeant's Tape Worm Medicine.....	.60	.65
Sergeant's Cod Liver Oil Capsules.....	.60	.65



**You have no home if you have no dog**

**"TET" (Tetrachlorethylene) for Worms**—Tetrachlorethylene is endorsed by the veterinary scientists as the safest known effective wormer for dogs and puppies. Prevents and cures running, barking fits and sore mouth.

Box for large dogs, \$1.00, post paid. Box for small dogs, \$1.00, post paid.

### DRY YEAST FOR ANIMALS



Helps to increase pep and general vitality, stimulate the appetite and aid digestion, produce a firmer and heavier

coat, build stronger bones and muscles.

Price—Post paid—8-oz. can, 60c; 1-lb. can, \$1.00; 5-lb. can, \$3.70. At Store—8-oz. can, 50c; 1-lb. can, 85c; 5-lb. can, \$3.50.





## POULTRY REMEDIES



**CONKEY'S Y-O** is a vitamin food containing cod liver oil and brewers' yeast. It holds the potency of the A, B, D and G vitamins, so necessary for complete digestion. This product comes in the form of a powder which is free-running and mixes readily with any poultry mash. Only 2 to 3 per cent of this potent vitamin food is required in any mash. Conkey's Y-O in the feed brings more eggs, larger eggs, eggs of greater fertility. 1 lb., 50c; 2 lbs., 90c; 5 lbs., \$1.60; 25-lb. drum, \$5.45; post paid, 60c, \$1.05, \$1.80 and \$5.85; 50-lb. drum, \$9.75; 100-lb. drum, \$17.50.



**CONKEY'S OLD RELIABLE POWDER**—Many would not try to keep poultry without Conkey's—the Old Reliable. Easily given in the drinking water, letting the birds help themselves. Keep it on hand for use in emergency, or put it in drinking fountains on cold, rainy days, or when there is a sudden change in weather. 25c, 50c and \$1; post paid, 30c, 55c and \$1.05.



**CONKEY'S POULTRY PILLS**—Administer these pills twice daily. 25c, 50c and \$1; post paid, 30c, 55c and \$1.05.

**CONKEY'S BALMO**—A soothing, cooling application for relieving irritation around the swollen eyes and head and in the mouth when treating conditions caused by colds and similar troubles. Pkg., 50c; pt., \$1.20; post paid, 55c and \$1.30.



**CONKEY'S DIA-TABS**—The majority of diarrhea cases in chicks are due to digestive disorders which arise from feeding, chilling, overheating, crowding, insanitation, etc. Use in the drinking water will help prevent trouble. Pkgs., 25c, 50c and \$1, all post paid.

**CONKEY'S NOX-I-CIDE**—Use as a preventive of disease and a help in getting down lice, ticks, bugs, etc. Conkey's Nox-i-cide is very effective for washing incubators, brooders, fountains, etc. Pt., 40c; qt., 60c; 2 qts., 90c; gal., \$1.50; post paid, 50c, 75c, \$1.10 and \$1.85.

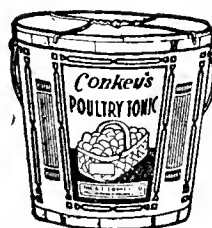


**CONKEY'S BUTTERMILK STARTING FEED WITH Y-O**—For low mortality, rapid growth, and no leg-weakness (rickets), feed Conkey's Buttermilk Starting Feed with Y-O. It is high in digestible nutrients and low in fiber. Avoid untested, unbalanced, so-called "cheap" feeds—they're dangerous. Use Conkey's—"It fills the bill." Price—post paid—5 lbs., 45c; 10 lbs., 65c; 25 lbs., \$1.35. At Store—5 lbs., 30c; 10 lbs., 45c; 25 lbs., 95c; 50 lbs., \$1.95; 100 lbs., \$3.75.

**CONKEY'S GECCO GROWING MASH WITH Y-O**—If the growing pullets at any time lack vitamins A, B, D and G, the result will be slow-developing, under-sized birds. For this reason, Y-O is mixed in Conkey's Gecco Growing Mash. Y-O contains cod liver oil combined with brewers' yeast and it insures in a potent and lasting form, the A, B, D and G vitamins so necessary for the growing stock. This mash supplies all other necessary materials for strong frames and solid flesh. Don't neglect your growing stock. Price—post paid—10 lbs., 60c; 25 lbs., \$1.30. At Store—10 lbs., 40c; 25 lbs., 90c; 50 lbs., \$1.85; 100 lbs., \$3.50.



**CONKEY'S NIKALA WORM TABLETS**—Controls roundworms and tapeworms in chickens and turkeys. These tablets are covered with an air-tight coating which keeps them from dissolving until, when they reach the gizzard, the grit in the gizzard cuts this coating away and the nicotine and kamala is then liberated. Chick Size—post paid—12 tablets, 20c; 25, 30c; 50, 50c; 100, 85c; 500, \$3.40; 1,000, \$6.00. Adult Size—post paid—12 tablets, 25c; 25, 45c; 50, 75c; 100, \$1.35; 500, \$5.00; 1,000, \$9.00.



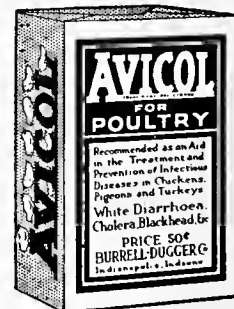
**CONKEY'S POULTRY TONIC**—Unequaled as a laying tonic, molting powder, chick conditioner and poultry regulator. Not a stimulant—no red pepper. Aids appetite, digestion and helps your birds get more out of their feed. 1½ lbs., 25c; 3¼ lbs., 50c; 7 lbs., \$1; 12-lb. pail, \$1.60; 25-lb. pail, \$3; post paid, 30c, 60c, \$1.20, \$1.90 and \$3.40.

**CONKEY'S LICE POWDER**—Destroys body lice. They suck the energy from your flock. Dust Conkey's on your hens and in the dust-bath. 30c, 65c and \$2.60; post paid, 40c, 80c and \$2.85.

**DON SUNG**—Guaranteed Egg Producer—Absolutely guaranteed to put your hens in good condition and make them lay more eggs. It is a scientific discovery for hens that merely stimulates the egg organs, making her strong and vigorous. Price—Box, 45 tablets, 50c; large size box, 135 tablets, \$1.00. Post paid.



**AVICOL**—Saves Baby Chicks—A safe and effective remedy in tablet form for White Diarrhea, Cholera, etc., in small and large grown fowls. Avicol is now being used by thousands of successful poultry raisers the world over. Write for circulars. Price—50c and \$1.00, post paid.



**Group Over** The Over-Night Roup Remedy. This famous remedy gives complete, prompt and positive results. There is nothing on the market like Group-Over for roup, colds and canker. 50c; \$1.00 size (three times as much), by parcel post, 60c and \$1.10.

**PARKE-DAVIS C. A. CAPSULES**—For large round worms and tape worms in chickens and turkeys. Price—C. A. Capsules, No. 195, for young chicks or poults, pkg. 12 capsules, 40c; pkg. 50 capsules, 90c. No. 196, for adult birds and large turkeys, pkg. 12 capsules, 50c; pkg. 50 capsules, \$1.25. All parcel post paid.



**WALKO DIARRHEA TABLETS**—Walko is a reliable germicide, intestinal antiseptic and general correctant. It is especially destructive to the white diarrhea germ, yet perfectly safe to give little chicks in their drinking water as soon as they are out of the shell. It acts as a general tonic. 50c and \$1.00 size boxes; post paid, 55c and \$1.10.

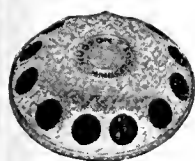
**TALCIMIZED SODIUM FLUORIDE**

It kills both old and young lice, including the young which hatch from the eggs present on the fowl at time of treatment. Talcimized Sodium Fluoride is the form for poultrymen to use.

	Each	Post paid
Small size (for 40 chickens)	\$0.35	\$0.40
Large size (twice as much)	.60	.70

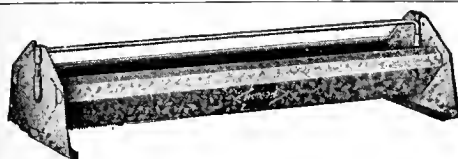


**BUCK BRAND TESTED SEEDS**



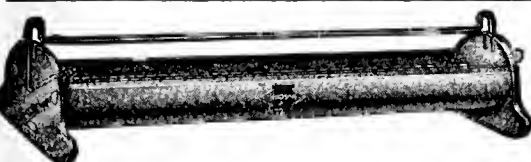
No. G8—For feed and water. Post paid, each, 20c; 6 for 95c; at Store, 10c; 6 for 50c.

No. G12—Larger. Post paid, 25c; 6 for \$1.20; at Store, 15c; 6 for 80c.

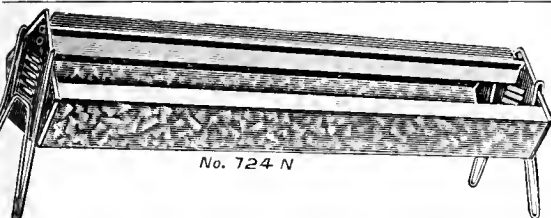


No. 12—Galvanized Feeder, 12 inches long. Post paid, each, 25c; 6 for \$1.20; at Store, 15c; 6 for 80c.

No. 18—Galvanized Feeder, 15 inches long. Post paid, each, 30c; 6 for \$1.50; at Store, 20, 6 for \$1.00.

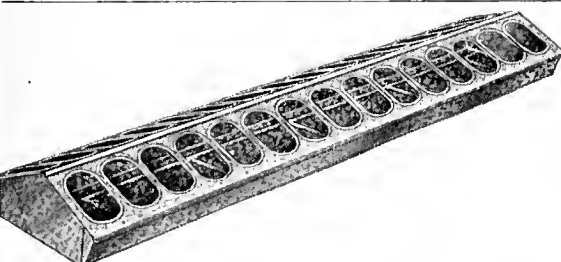


No. N24—Feeder, 24 inches long. Post paid, 35c; 6 for \$1.75; at Store, 25c; 6 for \$1.30.



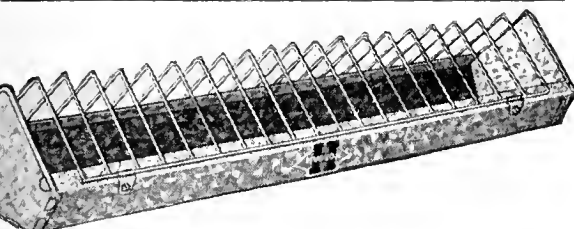
No. 724N—Galvanized Feeder, 24 inches long; adjustable legs; very popular. Post paid, each, 60c; 3 for \$1.50; at Store, 45c; 3 for \$1.20.

No. 736N—Same as above, 36 inches long. Post paid, 95c; 3 for \$2.50; at Store, 75c; 3 for \$2.00.



No. G10—Galvanized Feeder, 10 inches long. Post paid, 25c; 6 for \$1.20; at Store, 15c; 6 for 80c.

No. G20—Same as above, 20 inches long. Post paid, 40c; 3 for \$1.00; at Store, 25c; 3 for 65c.



No. G30—Feeder especially designed for feeding a large number of chicks. Post paid, \$1.15; 3 for \$2.95; at Store, 90c; 3 for \$2.50.

**PEAT MOSS**—Is an ideal soil conditioner and improver. It is a natural humus maker. It is fine, soft, clean, odorless and pleasant to work. Worked into a sandy, loamy soil, it gives body and binding qualities. Retains moisture and fertilizers. Dig it in five or six inches deep.

Heavy or clay soils are made loose and pliable by the addition of Peat Moss. When scattered over the surface and raked in lightly it will prevent top crusting.



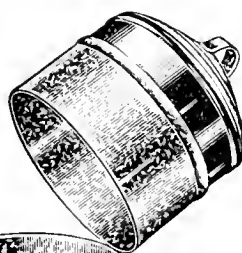
No. 81—One-gallon fountain. Post paid, 70c; 3 for \$1.90; at Store, 50c; 3 for \$1.40.



No. 01—Fountain, 5 quarts. Post paid, 70c; 3 for \$1.90; at Store, 50c; 3 for \$1.40.



No. 20S—Egg Scale, each, Post paid, \$1.50; at Store, \$1.35.



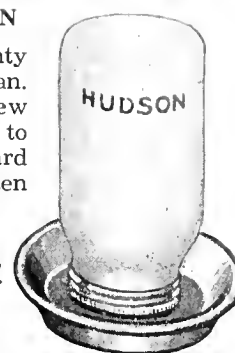
No. 92—Fountain, 2 gallons. Post paid, \$1.15; 3 for \$2.95; at Store, 95c; 3 for \$2.50.



Bale Peat Moss

**MASON JAR FOUNTAIN**

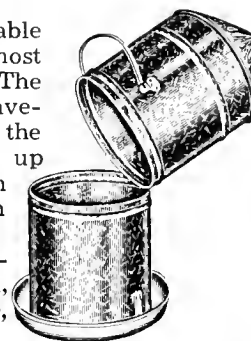
Constructed so that plenty of water is always in the pan. Pan will not overflow. Screw cap electrically welded to steel pan. Fits standard Mason jar. Packed 3 dozen in carton.



No. G25—Fountain, each, Post paid, 20c; 6 for 90c; at Store, 10c; 6 for 50c.

**DOUBLE WALL E-Z FILL FOUNTAIN**

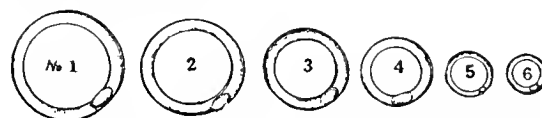
This extra heavy durable fountain is one of the most popular in our line. The heavy bail makes it convenient to carry water in the outer tank. Bail is held up out of the drinking pan when waterer is not in use.



No. 31—Fountain, E-Z-Fill, 3-gallon. Post paid, \$2.25; 3 for \$5.95; at Store, \$1.95; 3 for \$5.25.



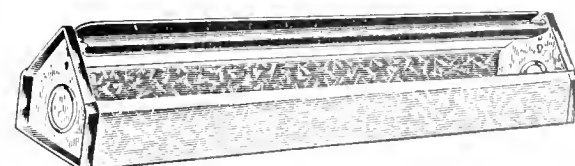
No. 117—Adjustable Leg Bands (numbered). Post paid, dozen, 15c; 25, 25c; 50, 40c; 100, 75c; 200, \$1.25. At Store, dozen, 10c; 25, 20c; 50, 35c; 100, 60c; 200, \$1.10.



No. 283—These slip on like a key ring; cannot drop off; easily removed. Made of various colors. Heavy Breeds—Post paid, dozen, 15c; 50, 35c; 100, 45c. Light Breeds—Dozen, 15c; 50, 35c; 100, 45c.



No. 105—Winner Chick Trough. Post paid, each, 25c; 6 for \$1.20; at Store, 15c; 6 for 80c.



No. 343—Trough, revolving reel, 3 feet long. Each, post paid, 65c; 3 for \$1.75; at Store, 45c; 3 for \$1.25.

**SUNRISE BRAND** Granulated Horticultural Peat Moss has great spreading capacity. One large bale loosened up will spread a surface of about 340 square feet one inch deep.

For new lawns, too much cannot be used. Spade it in deep, mixing it well with the soil.

For potted plants, bulbs, seed flats, for use in flower beds, rock gardens, for transplanting seedlings or rooting cuttings it is indispensable.

Post paid—3 lbs., 45c; 10 lbs., \$1.00; 25 lbs., \$1.95. At Store—3 lbs., 25c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; bale, \$3.75.



**R.B. BUCHANAN SEED CO.**

**MEMPHIS, TENNESSEE.**

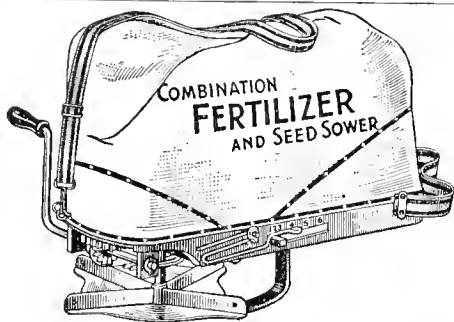
**BUCK BRAND TESTED SEEDS**



## THE "CYCLONE" SEED SOWER

Very Popular and Extensively Used

Has a national reputation as the best Hand Seed Sower on the market. Guaranteed to sow perfectly even all varieties of farm seeds such as clover, timothy, red top, alfalfa, lespedeza, sudan grass, oats, rye, millet, wheat, buckwheat, turnip, lawn grass, etc., and can be regulated to sow any amount per acre. This machine is strongly built and mechanically perfect. The bag holds about one-half bushel. It is easily operated. The manufacturers guarantee this machine to do perfect work. Weight each 4 lbs. Price—\$2.00 each; post paid, \$2.20.



## Fertilizer and Seed Sower

Designed with extra heavy gears and brass bushed bearings for hard service and long wear. It is special value to farmers who wish to apply their fertilizer or seed early in the spring when the soil is still wet from early thaws. It is also admirably adapted for use in top-dressing wheat and other small grains.

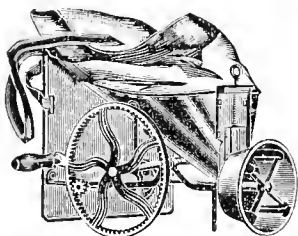
This machine will sow granular fertilizers at such rates as 100, 200 or 300 lbs. per acre in a strip a rod wide as fast as a man can walk.

The COMBINATION Sower also broadcasts all kinds of seed, such as clover, timothy, millet, lespedeza, sudan grass, alfalfa, wheat, etc., perfectly in desired amounts per acre. Convenient for applying fertilizer or seed on fairways, greens, parks, lawns, etc. Shipping weight each 7 lbs. Price—Each \$3.50; post paid, \$3.70.

## Cyclone Pick Bag

Is a good quality, convenient, service bag especially adapted for picking apples and other fruits. Made from heavy "A" grade duck. Two adjustable straps equalize the load on both shoulders. A steel band keeps mouth of bag always open and is shaped so bag hangs in a comfortable position for filling.

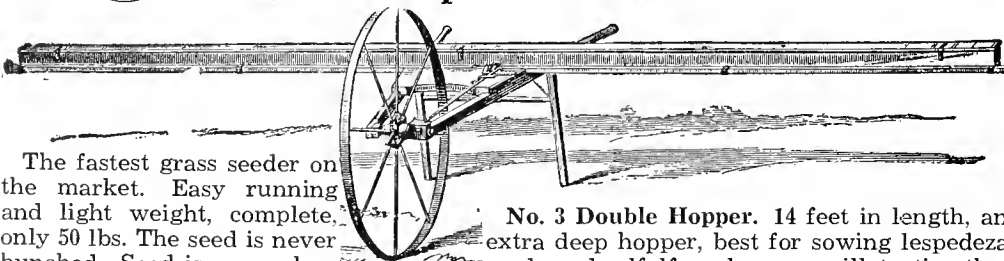
Convenient for emptying—simply release supporting straps and fruits flow gently out from bottom of bag into crate or barrel without bruising. It will be noted that both hands of the picker are free for his work. Price—Post paid, \$1.25; at Store, \$1.00.



## Cahoon Broadcast Seeder

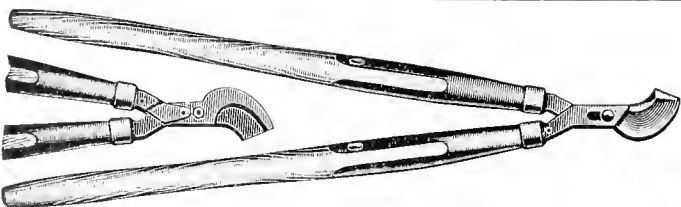
The standard broadcast seeder and one of the best. Sows all kinds of grain, clover, timothy, etc. In operation, sows 4 to 5 acres an hour at a common walk. Distributes seed uniformly in one-fifth the time required by hand. Circular on request. Price—Each, \$3.75; post paid, \$4.00.

## Thompson's Wheelbarrow Seeder



The fastest grass seeder on the market. Easy running and light weight, complete, only 50 lbs. The seed is never bunched. Seed is sown close to ground.

No. 3 Double Hopper. 14 feet in length, an extra deep hopper, best for sowing lespedeza seed and alfalfa, clovers, millet, timothy, grasses, etc. Price—Each, \$15.00.



No. 5403—Draw-Cut Lopping Shears

## DRAW-CUT LOPPING SHEARS

No. 5403—The construction of this lopping shear produces a powerful sliding cut movement of the blade. The blade hook and shank are forged from tool steel and are held together by a hardened steel bolt with lock-nut. Handles, northern second-growth ash, natural finish, 4-inch spading fork ferrule and cap, black Japanned, and riveted to shear. Length of handles, 22 inches; length over all, 29 inches. Post paid, \$3.25; at Store, \$3.00.

*Buchanan*

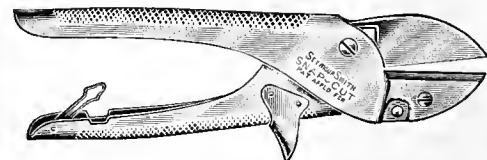
has sold seed  
in Memphis  
37 years



Budding Knife

BUDDING KNIFE—(See cut.) Good quality. Each, post paid, \$1.25; at Store, \$1.15.

GRAFTING KNIFE—Same quality as above. Each, post paid, \$1.25; at Store \$1.15.



Snap-Cut Pruner

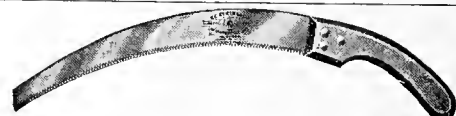
SNAP-CUT PRUNER—The snap-cut design makes an extremely easy and fine cutting tool. It is proclaimed by fruit growers, gardeners, etc., as the finest shear ever produced. Each, post paid, \$1.60; at Store, \$1.50.



No. 130—California pattern, volute spring, ratchet nut, 9 in. Post paid, \$1.00; at Store 90c.



No. 230—California pattern, flat spring, ratchet nut, 9 in. Post paid, \$1.15; at Store, \$1.00.



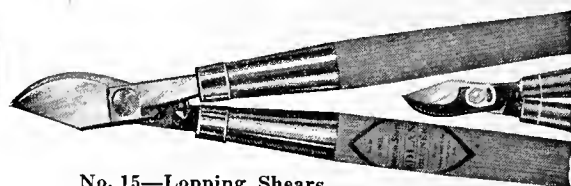
No. 20—California Pruner, made of genuine silver steel. Has a very narrow blade with rip teeth. Blade tapers from 1/4 inch wide at point. Length 12 in. Post paid, \$1.05; at Store, 90c.

No. 20—Same as above except 14-in. length. Post paid, \$1.15; at Store, \$1.00.

No. 13—California pattern, crescent shaped, special steel blade, hardwood handle riveted to steel blade, 12 in. Post paid, \$1.35; at Store, \$1.25.

READ PAGES 72, 73, 74, 75

How to Spray the Home Orchard  
and Garden



No. 15—Lopping Shears

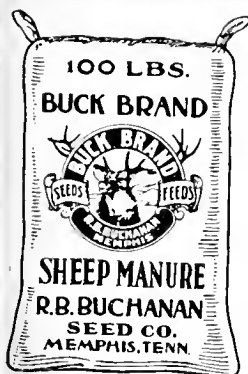
## LOPPING SHEARS

No. 15—Light weight but strong enough for heavy work; blade and hook are of hardened and tempered steel, 28 in. Post paid, \$2.20; at Store, \$2.00.





## BUCK BRAND TESTED SEEDS



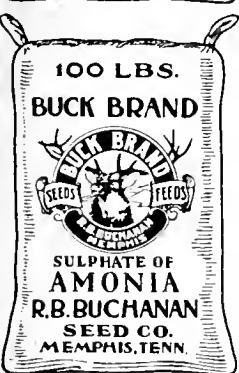
**HEIL QUALITY PULVERIZED SHEEP MANURE**—In making new lawns, pulverize the surface soil well and broadcast at the rate of 6 to 10 pounds per 100 square feet, raking well into the surface soil. Sow seed and roll. For renovating old lawns, use 6 pounds per 100 square feet and rake into the surface soil previous to sowing seed. **Sheep Manure** is a highly concentrated, weedless, pure manure that makes all plants grow to perfection. It is not a stimulant, but is a real soil-building plant food, safe and dependable for every use. It supplies the necessary plant food and humus.

Price, post paid—2 lbs., 25c; 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.25. Not prepaid—2 lbs., 15c; 5 lbs., 25c; 10 lbs., 45c; 25 lbs., 75c; 50 lbs., \$1.15; 100 lbs., \$1.95; 500 lbs., \$9.00; 1,000 lbs., \$17.00; ton, \$33.00.



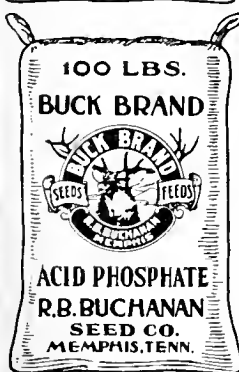
**NITRATE OF SODA**—The most readily available form in which nitrogen can be had. Largely used for forcing vegetables, for applying to grass fields after each cutting, producing strong, healthy growth and wonderfully increasing the yield. For field use, apply 150 pounds to acre; also can be used in small quantities very effectively on roses, shrubs, flower beds, porch boxes. 150 pounds Nitrate of Soda to an acre applied as a side dressing to cotton or corn will almost double the yield.

Price, post paid—5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.25. Not prepaid—5 lbs., 25c; 10 lbs., 50c; 25 lbs., 75c; 50 lbs., \$1.35; 100 lbs., \$2.25.



**SULPHATE OF AMMONIA**—Sulphate of Ammonia is guaranteed to contain 25 1/4 per cent of Ammonia, or 20 3/4 per cent of Nitrogen. We recommend that corn be top-dressed with Arcadian Sulphate of Ammonia at the rate of 100 to 150 pounds per acre, applied early in the growing period or when the plants are 2 to 3 feet high. **For Orchards**—Peach trees, apply when buds show signs of swelling, 1 to 2 pounds of Sulphate of Ammonia to bearing trees up to 10 years of age.

Price, post paid—5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.35; 50 lbs., \$2.35. Not post paid—5 lbs., 25c; 10 lbs., 50c; 25 lbs., 75c; 50 lbs., \$1.55; 100 lbs., \$2.25.



**ACID PHOSPHATE** is recommended for all legume, grain and grass crops, and for applying to all land deficient in Phosphoric Acid. Beneficial results follow the addition of it to barnyard manure, all manure being high in ammonia but low in phosphoric acid. Apply 30 to 400 pounds to the acre broadcast.

Price, post paid—5 lbs., 30c; 10 lbs., 50c; 15 lbs., 75c; 25 lbs., \$1.00; 50 lbs., \$1.85. Not prepaid—5 lbs., 20c; 10 lbs., 40c; 15 lbs., 60c; 25 lbs., 70c; 50 lbs., 90c; 100 lbs., \$1.25.

**CARBON DISULPHIDE**—Used for controlling weevil in peas, beans, grains, etc. **Method of Treating**—Put seeds to be treated in an air-tight container, as a water barrel, strong goods box or metal container. For treating small lots 2 ounces of Carbon Disulphide per bushel is sufficient. Full directions on package. **Caution**—Keep open fire, such as lanterns, matches, etc., away from Carbon Disulphide.

Price—1 lb., 50c; 5 lbs., \$2.00. Not mailable.



**HYDRATED SPRAY LIME**—For mixing with sulphur in making home boiled lime sulphur solution; also used in flower beds and on lawns for sweetening the soil. Price, post paid—1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00.

**VIGORO** contains all the food elements plants must get from the soil to produce rich green, velvety lawns, beautiful flowers, full foliaged shrubs and trees and early delicious vegetables. Clean, odorless and economical.

Price—Postpaid—12 oz., 20c; 5 lbs., 70c; 10 lbs., \$1.10; 25 lbs., \$1.90; 50 lbs., \$3.25. At Store—12-oz. pkg., 10c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.



**BUCHANAN'S COTTON GROWER**—Analysis 5-10-3—This brand is prepared especially for cotton growing and contains the plant foods in proper proportions to start a vigorous growth on which the result of the crop largely depends, and sufficient to feed the crop till maturity. It is quick in its action and lasting in its results. Apply 300 to 400 pounds to acre in the row before planting the seed.

Price, not prepaid—100 lbs., \$1.75; 500 lbs., \$8.50; 1,000 lbs., \$16.50; 2,000 lbs., \$32.00.



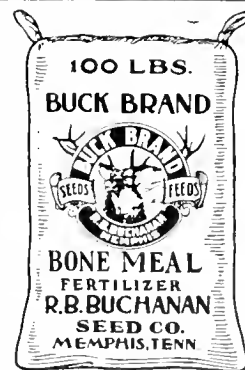
**BUCHANAN'S TRUCK GROWER**—Analysis: Nitrogen, 4 per cent; Available Phosphoric Acid, 8 per cent; Potash, 4 per cent. Vegetables of a leafy nature require an ample supply of nitrogen to give them that quick growth on which their quality largely depends; others, like beans and peas, demand, in addition, phosphoric acid to develop and produce their pods and seeds. Our Vegetable Grower is prepared for all garden crops. Apply 300 pounds to 1,000 pounds to acre, depending on soil and crop grown.

Price, post paid—5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.25; 50 lbs., \$2.00. Not prepaid—5 lbs., 25c; 10 lbs., 40c; 25 lbs., 70c; 50 lbs., \$1.00; 100 lbs., \$1.65.



**STEAMED BONE MEAL**—A first class fertilizer for general use, giving not only immediate results, but continued beneficent effects. Excellent for roses, flower beds, dahlias, and top dressing for lawns.

Price, post paid—1 lb., 20c; 2 lbs., 25c; 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.65; 50 lbs., \$2.50. Not prepaid—2 lbs., 15c; 5 lbs., 25c; 10 lbs., 50c; 25 lbs., 90c; 50 lbs., \$1.65; 100 lbs., \$2.25.



**BLOOM AID**—A Plant Food for Flowers, Shrubs and Vegetables—Apply BloomAid around shrubs and hedges and they will quickly screen the house and grounds. Use it on your vegetable garden and you will have earlier vegetables, tenderer and better flavored because of rapid growth.

**Pulverized Form**—Post paid—1-lb. container, 35c; 5-lb. container, 65c; 10-lb. bag, 95c; 25-lb. bag, \$1.90. At Store—1-lb. container, 25c; 5-lb. container, 50c; 10-lb. bag, 75c; 25-lb. bag, \$1.50; 100-lb. bag, \$4.00.

**FAIRWAY FERTILIZER** is fifteen times as rich as manure.

Post paid At Store  
25-lb. Bag ..... \$1.90 \$1.50  
100-lb. Bag ..... 4.00

**MURIATE OF POTASH (50% Available Potash)**—Necessary for cotton fertilizing; prevents rust, increases yield. For cotton and grains, 25 to 50 pounds to acre; for potatoes, turnips and truck crops, 50 to 150 pounds to acre.

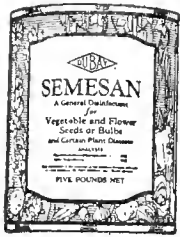
Price, post paid—5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.65; 50 lbs., \$2.50. Price, not prepaid—5 lbs., 25c; 10 lbs., 50c; 25 lbs., \$1.15; 50 lbs., \$1.90; 100 lbs., \$2.75; 500 lbs., \$13.35.

Write for prices on quantities.





## INCREASE YOUR PROFITS WITH DU BAY SEED DISINFECTANTS



### SEMESAN—For Flower and Vegetable Seeds

Prevent seed rotting under unfavorable soil conditions, and stop certain seed-borne diseases that reduce stands, lower yields and quality by treating the seeds, bulbs or corms with Semesan before planting. Effective in controlling damping-off. Harmless to the seed, but deadly to disease organisms on them. Costs from 1/4c to 1c per pound of seed as one ounce treats 15 lbs. Prices—Post paid—2-oz., 60c; 1-lb., \$2.65; 5-lb., \$11.95. At Store—2-oz., 50c; 1-lb., \$2.50; 5-lb., \$11.75.

### NEW IMPROVED CERESAN—For Wheat, Oats and Barley

New Improved Ceresan is unusually effective for controlling bunt or stinking smut of wheat, smut of oats, and covered smut and stripe of barley. Costs but 1 1/2 to 2 1/2 cents a bushel of seed grain as only 1/2 ounce of dust is used. Easily and quickly applied by a rotary treater or with shovel. It adds to grain profits by reducing losses from smut and dockage and increases yields. Prices—Post paid—1-lb., 90c; 5-lb., \$3.20; At Store—1-lb., 75c; 5-lb., \$3.00.



### NEW IMPROVED SEMESAN BEL—For Potatoes



Seed potato treatment with New Improved Semesan Bel gave an average increase in yield of 35.4 bushels per acre, on six farms in five states, by controlling seed-borne scab and Rhizoctonia, reducing seed rotting and improving stands. Also used as a seed and a sprout treatment for sweet potatoes. This quick dip costs 1 1/2c to 3c per bushel, as one pound treats 60-80 bushels of seed. Prices—Post paid—4-oz., 60c; 1-lb., \$1.90; 5-lb., \$8.20; 25-lb., \$31.70. At Store—4-oz., 50c; 1-lb., \$1.75; 5-lb., \$8.00; 25-lb., \$31.25.

### NEW IMPROVED SEMESAN JR.—For Corn.

Insure good stands and maximum yields by treating your seed corn with New Improved Semesan Jr. Tests on 28 different farms prove that it increased yields as much as 22 per cent with an average of nearly 10 per cent. It protects seed from rotting and prevents certain seed-borne diseases. Use 2 ounces per bushel. Costs from 2 1/2 to 3 cents an acre. Prices—Post paid—4-oz., 60c; 1-lb., \$1.65; 5-lb., \$7.20; 25-lb., \$28.95. At Store—4-oz., 50c; 1-lb., \$1.50; 5-lb., \$7.00; 25-lb., \$28.75.



### Legume-Aid-Inoculation

**MOIST COMPOSITION BASE:** Living bacteria in a base of relatively low moisture content which adheres to dry seed without the use of water. Recommended because of its ease of application.

**ONLY THE BEST STRAINS** of bacteria are used. They have been selected from a large collection and are the best now available.



CULTURES OF MORE THAN adequate size are supplied to insure results even under unfavorable conditions.

PROMPT DELIVERY is desirable as fresh cultures are much more effective than old ones. To insure the use of fresh cultures we only permit their sale within four months after preparation.

For Small Seed—Alfalfa and All Clovers.		At Store	Post-paid
For one-half bushel		\$0.30	\$0.40
For one bushel		.50	.60
For two and one-half bushels		1.00	1.10
For Large Seed—Beans, Peas, Vetch, Soy Beans.			
For one bushel		.30	.40
For two bushels		.50	.60
For five bushels		1.00	1.10



All legumes—plants that bear their seed in pods—like peas, beans, alfalfa, form a partnership at the roots with certain kinds of healthful bacteria called legume germs, that are able to draw nitrogen from the air and give it to the plant. They form on the roots in colonies looking like lumps, called nodules.

Without these germs, legumes would rob the soil for nourishment and have a sickly growth, for few soils contain a natural supply. It is therefore necessary to "inoculate"—apply these nitrogen-gathering germs directly to the seed. All agricultural authorities advise inoculation of legumes. Every 1-bushel size can of Nitragin is packed with more than seven billion legume germs.

When ordering always specify kind of seed  
Alfalfa, All Clovers  
Lespedeza (Hulled or Unhulled)

Size	1-bu. size inoculates 60 lbs. of seed, hulled or unhulled.	Retail P.	Paid
1/2 bushel		\$0.35	\$0.40
1 bushel		.65	.75
2 1/2 bushels		1.40	1.50

Peas, Vetch, Beans, Austrian Winter Peas

Size	Retail P.	Paid
1/2 bushel	\$0.35	\$0.40
1 bushel	.50	.60
*1 2/3 bushels	.80	.85
5 bushels	2.25	2.35

\*"100 lb. size." Packed only for Vetch and Austrian Peas.  
Soy Beans, Cow Peas,  
Size Retail P. Paid  
1 bushel.....\$0.35 \$0.40  
2 bushels......65 .75  
5 bushels..... 1.40 1.55  
10 bushels..... 2.45 2.60

Garden NITRAGIN for Peas, Beans, Sweet Peas  
Inoculates from 1 oz. to 8 lbs. seed.  
Price 25c, post paid 30c



**Causes Spring-Grown Irish Potatoes to Sprout for LATE Crop**  
This new, quick method (in use 8 years) has the effect of waking the potato or bringing it out of the rest period.

### Read Carefully How to Treat the Seed

Dig the potatoes and let them dry 3 or 4 weeks before planting. Eight hours before planting, cut the seed in pieces about 1 ounce in weight. Cut small potatoes in two. Dip the cut potatoes in solution of Ethylene Chlorhydrin and water as follows:

Ethylene	Water	Treats	At Store	By Express	Post Paid
1/2 Pint	2 Gallons	2 Bushels	\$0.50	\$0.50	\$0.70
1 Pint	4 Gallons	4 Bushels	1.00	1.00	1.25
1 Quart	8 Gallons	10 Bushels	2.00	2.00	2.35
1/2 Gallon	16 Gallons	20 Bushels	2.75	2.75	3.25
1 Gallon	32 Gallons	40 Bushels	4.25	4.25	4.95

Allow the potatoes to remain in the solution just long enough to become thoroughly wet. Remove and put in a container just as near air-tight as possible and let remain there eight hours. Remove and store in cool, shady place where temperature is under 90 degrees. Do not treat potatoes when temperature is above 90 degrees in shade, as it will cause rot. Do not treat with any other chemical, as the combined treatments will cause rot. Lay off rows in ground that has been well worked, open deep furrows so as to cover seed deep; plant early in morning, late in afternoon, or on a cloudy day; drop pieces 12 to 15 inches apart, cover 4 to 6 inches deep; a low, moist piece of soil. Plant from July 1st until last week in August. Many plant early in September in lower Southern territory. It requires 8 to 10 bushels to plant an acre.

## TANGLEFOOT

### DIFUSOR AND DIFUSO—

Is a new, electrically operated machine for destroying insects; employs steam, electrically generated, to diffuse Tanglefoot Difuso—an insecticide for use in the Difusor—sending the vapor into every crack, crevice and hole. Harmless to people, pets, foods and furnishings. Ideal for stores, restaurants, bakeries, creameries, hospitals and homes. Difusor, post paid, each, \$13.25; at Store, \$12.75. Difuso, post paid, pint, \$1.60; ½ gal., \$4.75; gal., \$8.75. At Store, pint, \$1.50; ½ gal., \$4.50; gal., \$8.50.

**FLY SPRAY**—Quickly kills household insects; harmless to human beings and pets; will not injure clothing or furniture. Post paid, ½ pint, 45c; pint, 60c; quart, \$1.00; gallon, \$2.75. At Store, ½ pint, 35c; pint, 50c; quart, 90c; gallon, \$2.50; 5 gallons @ \$1.80.

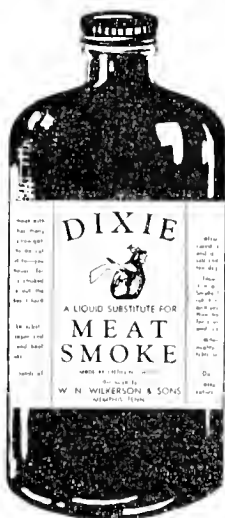
**NEW DEAL STOCK SPRAY**—It is practically odorless; will not taint the milk; does not burn or blister, discolor or gum the hair of animals. It kills the insects; economical. Post paid, gallon, \$1.25. At Store, gallon, \$1.00; 5 gallons, \$4.50.

**FLY RIBBON**—In coil form; hangs from the ceiling. Postpaid—2, 10c; 6, 25c; 12, 40c. At Store, 2, 5c; 6, 15c; 12, 25c.

**JUNIOR FLY PAPER**—Packed in cartons, each containing 3 double sheets or 6 single sheets. Post paid, carton, 15c; 3, 40c; 6, 75c. At Store, carton, 10c; 3, 30c; 6, 55c.

**TREE TANGLEFOOT**—A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Post paid—6 ozs., 35c; 1 lb., 60c; 5 lbs., \$2.45; 10 lbs., \$3.85. At Store—6 ozs., 25c; 1 lb., 50c; 5 lbs., \$2.35; 10 lbs., \$3.95.

## MEAT CURING AND SAUSAGE MAKING



### OLD SMOKEHOUSE Liquid Smoke

Used to preserve and flavor hams, bacon, sausage, fish and other meats. Prevents molding, skippers, rancidness and shrinkage of meats. Directions on each package. Post paid, pint, 65c; quart, \$1.20. At Store, pint, 50c; quart, \$1.00.

### DIXIE (A Liquid Substitute for Meat Smoke)

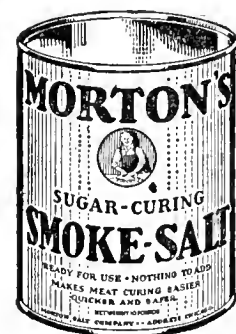
Made of distilled wood — directions on each package. Price, pint, post paid, 60c; at Store, 45c. Quarts, post paid, \$1.05; at Store, 95c.



**FIGARO** is simply smoke from the best smoking woods, in condensed form. It is condensed to a liquid just as steam condenses into water. It is as simple and easy to apply to the meat as water or oil would be. Simply brush FIGARO on the meat. First remove the coating of the cure from the meat by dipping in hot water, and allow to drain and dry from 24 to 48 hours. Take a small brush or cloth mop (the brush is better), simply brush the meat. Smoke a Year's Supply in 30 Minutes

One 32-ounce bottle will smoke 500 pounds of meat.

Price—At Store—½ pt., 50c; 1 pt., \$1.00; 1 qt., \$1.50. Post paid—½ pt., 65c; 1 pt., \$1.15; 1 qt., \$1.70.



Is an improved meat curing salt—a perfect blending of salt, sugar-cure and smoke. It is so easy to use. With Morton's Smoke Salt you salt-cure, sugar-cure and smoke the meat all at the same time. Packed in 10-pound cans; cures and smokes 100 pounds of meat.

One can, 90c; post paid, \$1.15.  
One case, 6 cans, \$4.50; post paid, \$5.35.

## Champion Tree Killer

**Kills, Trees, Shrubs, Sprouts**

**IN 3 to 10 DAYS**

Rid your fields of useless plants and trees that shade growing crops. Stock can graze the land without danger. Put up in 2, 3, 5 and 10 gallon cans at \$1.25 per gallon. Send in money-order for shipment by freight or express. Ask for booklet.

**BUCHANAN'S**

Prices at Store—1-gallon cans, \$1.25; 2, \$2.50; 3, \$3.75; 5-gallon drums, \$6.25; 10 gallons, \$12.50; 30 gallons @ \$1.10; 50 gallons @ \$1.10.

### DIFUSOR MACHINE Read Top Left Column



Each, post paid, \$13.25; at Store, \$12.75.

Is the greatest convenience ever developed for everyone who makes sausage. It saves mixing your own ingredients. It is easier to use. It takes out all "guess-work" in seasoning. It saves disappointments because it enables you to get the same rich delicious flavor—the same tempting taste—every time.

Post paid—3 ozs., 15c; 10 ozs., 35c; 1 lb., 45c; 7½ lbs., \$1.70.

Price—At Store—3-oz. can, 10c; 10 ozs., 25c; 1 lb., 35c; 7½ lbs., \$1.50.

### DEAM'S LIQUID SMOKE

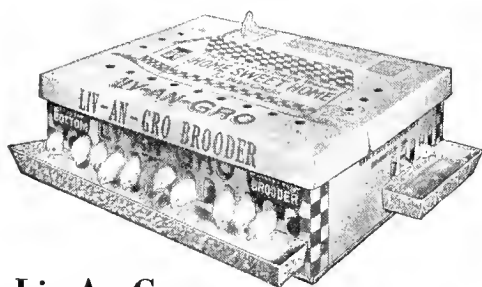
Makes meat palatable; it saves the expense of a smokehouse and fuel. It leaves the meat pliable and does not dry it out like a fire. When meat is salted and when Liquid Smoke is applied, the meat should be on a wood surface and free from all metal. Price, post paid—1 pt., 65c; 1 qt., \$1.20. At Store—1 pt., 50c; 1 qt., \$1.00.







## BROODERS

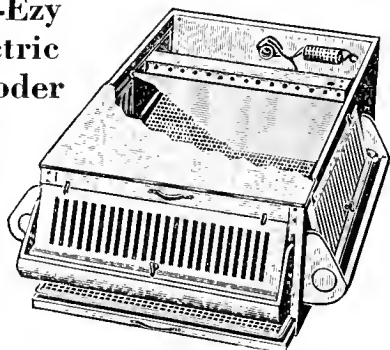


### Liv-An-Grow Electric Brooders

A low-priced primary brooder, the box is made of strong fibre with a wire screen floor. It is also durable, waterproof, and equipped with feed and water pans. The box part can be replaced when soiled at a nominal cost. The brooder can be set on the end of two chairs or on a frame, made with legs so as to raise it to a convenient height, which avoids stooping when feeding and watering the chicks. The outfit consists of Brooder Box, 10 feet of electric cord, porcelain socket with terminal plug, and a circulating drum to enclose the bulb. (Electric light bulb is not furnished.) Size of brooder, 20 by 24 inches, 7½ inches high.

Price—Only \$1.95; by parcel post, \$2.25.

### Gro-Ezy Electric Brooder



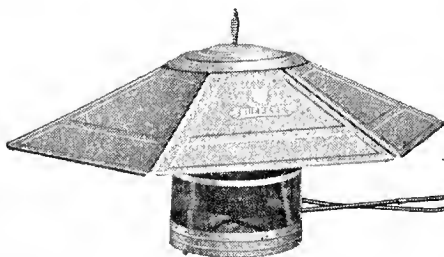
These new "Gro-Ezy" Brooders have every feature necessary to raise big, husky, healthy chicks quickly. It gives them the kind of a start in life that enables them to keep on growing to profitable maturity. Ample feed and water troughs on three sides provide the chicks with plenty to eat and drink at all times. There are 60 inches of trough space. Price—Each, at Store, \$7.50.

**Buchanan**

### Poultry Litter

Used for baby chicks and grown fowls. It is a deodorizer, disinfectant and absorbs the moisture from droppings. In this state it is valuable as a fertilizer.

Price—3 lbs., 50c; 7 lbs., 85c. At Store—3 lbs., 25c; 7 lbs., 50c; bale, about 22 bushels, \$3.50.



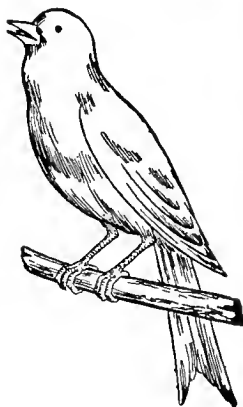
## BIRD SUPPLIES

### Mixed Bird Seed

Post Paid, 1 lb.  
**BUCK BRAND**

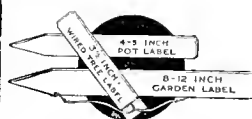
Canary Seed 25c  
Hemp Seed 25c  
Millet Seed 20c  
Rape Seed 25c  
Sunflower  
Seed 25c  
Bird Tonic 30c  
Vitamin  
Health Food 30c  
Cuttle Fish  
Bone Each 15c  
Song Restorer box 35c

See wholesale price list enclosed for prices on larger quantities of bird seed.



### Cotton Pick Sacks

We carry a stock of Cotton Pick Sacks in four lengths, made of the best quality material—as we cannot quote prices at this time of the year, we ask you to write when ready to buy.



### White Wood Labels

These labels made of White Wood, need no paint and will last for many months—used by professional market gardeners, orchardists, nurserymen for labeling trees, plants, shrubs, and flowering plants.

Price, post paid—5-in., 100, 50c; 10-in., 100, 90c. At Store, 40c and 75c.

Dahlia or Tree Labels with copper wire, 3½-inch, price, post paid, 100, 50c; at Store, 40c.

Tree Labels with copper wire, 3½-inch, price, post paid, 50, 30c; 100, 50c; 500, \$2.25. At Store, 50, 25c; 100, 40c; 500, \$1.75.

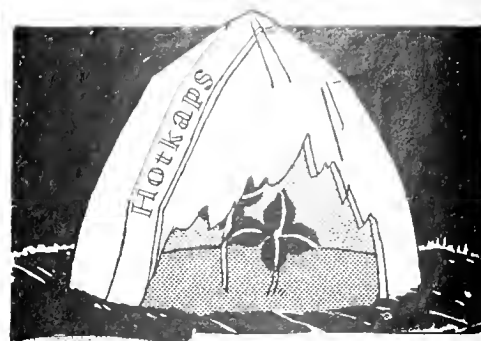
Pot Labels, 5-in., post paid, 50, 30c; 100, 50c; 500, \$2.25. At Store, 50, 25c; 100, 40c; 500, \$1.75.

Ten-inch Pot Labels, post paid, 50, 50c; 100, 90c; 500, \$3.75. At Store, 50, 40c; 100, 75c; 500, \$3.25.

### Buckeye Blue Flame Chick Hover

Galvanized Hover, supported by cast iron legs.

	No. 27-A	No. 80-B	No. 81-B
Capacity, chicks ...	200	350	500
Diameter, inches ...	34	42	52
Weight, each, lbs.	40	50	60
Price each, at Store..	\$13.70	\$14.25	\$15.50



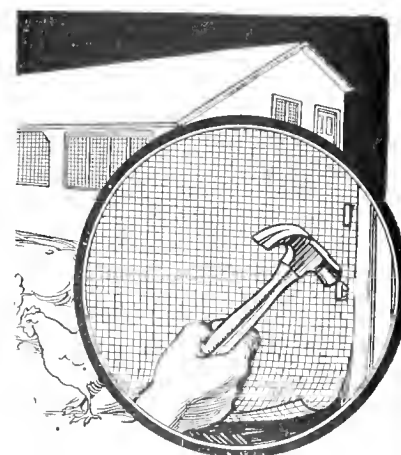
**HOTKAPS** are waxed paper cones, easily set out in quantity over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects,

and maintain perfect mulch. Growth is forced and yield is increased 10 to 25 per cent. Crops mature 2 to 3 weeks earlier, and bring premium prices.

With Setter, Price Post Paid—100, \$2.70; 250, \$3.95; 500, \$5.95; 1,000, \$10.95. At Store—100, \$2.50; 250, \$3.75; 500, \$5.60; 1,000, \$10.25; 5,000, \$50.50. All packed with Setter.

Garden Setter, at Store, 50c; Steel Tamper, 25c.

## CEL-O-GLASS



**CEL-O-GLASS**—Grow your own plants; get earlier flowers and vegetables with Cel-O-Glass. Can be used where ordinary glass and cloth can not, and is much lighter. Sashes are easier to handle; not affected by hail, snow, rain or wind and cannot break like glass.

Cel - O - Glass comes in rolls 36 inches wide and 50 running feet to the roll. Price at store, per foot, 45c; full roll, per foot, 40c.

**LITE-O-GLAS** is a cloth—flexible, unbreakable. It is an insulator—it shuts out the cold and keeps the warmth in. Cheap and easy to use—cut it with a scissors, tack it in place and there you are—the finest window material—tough, weather proof and washable—excellent for poultry houses, brooder house, hot-beds, cold frames, windows, doors—is a perfect substitute for glass. All Lite-O-Glas comes in rolls 3 feet wide, 100 yards long.

Price: 1 to 25 yards, per yard 29c  
25 to 50 yards, per yard 27c  
50 to 100 yards, per yard 26c  
Roll 100 yards, not prepaid — 20c



# BUCHANAN'S SPECIAL QUOTATION SHEET

R. B. BUCHANAN SEED CO., Memphis, Tenn.

Dear Sir:—I would like to have you name me your lowest price on the list of seed I give you below. Please quote your best prices, and also let me know whether in your opinion the seed should be sent by Freight or Express, and also about what the cost of delivery will be. It is distinctly understood that in asking for this special quotation I am under no obligation to purchase same, and this is entirely for my own information as to prices and Freight or Express rates.

Please fill out this sheet with the list of Seeds you want prices on, tear it out and mail to me:  
I will make you right prices on best quality obtainable.

QUANTITY	Number in Catalog	NAME OF SEEDS OR ARTICLE WANTED	Leave This Space Blank	
(Write the Number of Bushels or Pounds here.)				

PLEASE WRITE PLAINLY IN THE BLANK SPACES BELOW

Your name.....  
P. O.....  
County..... R. F. D.....  
State..... Date.....

I am on the.....Railroad  
My Express Office is.....  
The name of the nearest Freight Station is  
.....

When Ordering Write Below

The names of several of your neighbors or friends who have not received our catalog but who you believe might order from us. For your kindness we shall be glad to send you some extra seeds along with your order.

NAMES	POSTOFFICE	RURAL RT. No.	STATE

**R. B. BUCHANAN SEED CO., MEMPHIS, TENN.**

Ship to me by—Mail ☐ Express ☐ Freight ☐  
(Mark X in square for desired shipment)

Postoffice..... State.....  
Rural Box Express or  
Route No. Freight office.....  
(If Different from Your Post Office)

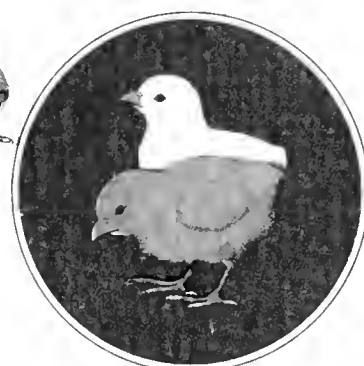
Shipped.....

**No plants shipped C.O.D.**

TOOF-MEMPHIS



# BUCHANAN'S DAY-OLD BABY CHICKS



## DAY OLD CHICK PRICES FOR 1935

**FIVE REASONS** why you will be better pleased  
and make more with our Quality Chicks:

Chicks come from healthy, strong, vigorous and well-culled flocks;  
Only sturdy, strong, vigorous, livable chicks are sold;  
Chicks will develop into early market broilers and make more profit for you;  
You'll be pleased with your flock of pullets if you place your chick order now.  
We have a hatch off each Monday and Thursday. First hatch off about Jan. 25.

**ONLY \$1.00 DEPOSITS** for each 100 chicks wanted, will insure you these low prices and hold your order for delivery any date you wish. Balance due 10 days before shipment, or send cash in full with order for quick delivery. Under these terms we pay all transportation charges. **ON SPRING, 1935, ORDERS** booked now you may send only \$1.00 now to hold any sized order. Balance of the \$1.00 per 100 deposit to be mailed by February 1st, 1935.

**C. O. D. PLAN**—Send \$1.00 for each 100 chicks or any amount less than 100. Pay balance on delivery plus transportation charges. If you want chicks shipped C. O. D. for balance, be sure to specify this.

### "A" QUALITY CHICKS

Shipping Charges Prepaid Anywhere in U. S.

"A" Quality Chicks are produced from high quality, well-matured stock. Every bird selected to meet all standard requirements of the breed. Produced from healthy, free-range flocks, thus insuring high livability and quick growth. Excellent for broilers and egg production.

	25	50	100	500	1,000
S. C. White and S. C. Brown Leghorns	\$2.15	\$4.00	\$7.50	\$37.50	\$75.00
S. C. Rhode Island Reds, Barred Plymouth Rocks, Buff Orpingtons	2.35	4.20	7.90	39.00	77.50
White Plymouth Rocks, White Wyandottes	2.35	4.20	7.90	39.00	77.50

### "AA" SPECIAL QUALITY CHICKS

Our "AA" Quality Chicks are from high-producing flocks. These flocks are mated with "AA" Quality Cookerels, and the chicks from them make an exceptionally good value for the money.

These are the most profitable chicks you can buy, unless you get our "AAA" Quality Chicks.

Shipping Charges Prepaid Anywhere in U. S.

	25	50	100	500	1,000
S. C. White and S. C. Brown Leghorns	\$3.20	\$5.40	\$9.90	\$48.00	\$95.00
Barred Plymouth Rocks, S. C. Rhode Island Reds, Buff Orpingtons	3.20	5.40	9.90	48.00	95.00
White Plymouth Rocks, White Wyandottes	3.20	5.40	9.90	48.00	95.00

### "AAA" FINEST QUALITY CHICKS

"AAA" Chicks are the very finest quality chicks we produce. Customers report outstanding success. Our "AAA" matings are the result of our many years of careful, selective breeding.

Shipping Charges Prepaid Anywhere in U. S.

	25	50	100	500	1,000
S. C. White and S. C. Brown Leghorns	\$4.15	\$7.40	\$13.90	\$68.00	\$135.00
Barred Plymouth Rocks, S. C. Rhode Island Reds, Buff Orpingtons	4.15	7.40	13.90	68.00	135.00
White Plymouth Rocks, White Wyandottes	4.15	7.40	13.90	68.00	135.00

**ASSORTED CHICKS**—Chicks left over after our regular orders are filled, and any that may hatch off color from all three grades. These are good, strong chicks, no culls or cripples. They carry the same live arrival guarantee as our other chicks.

	25	50	100	500	1,000
Assorted Heavy Breeds	\$2.15	\$4.00	\$7.50	\$37.50	\$75.00

### DISCOUNTS ON EARLY ORDERS

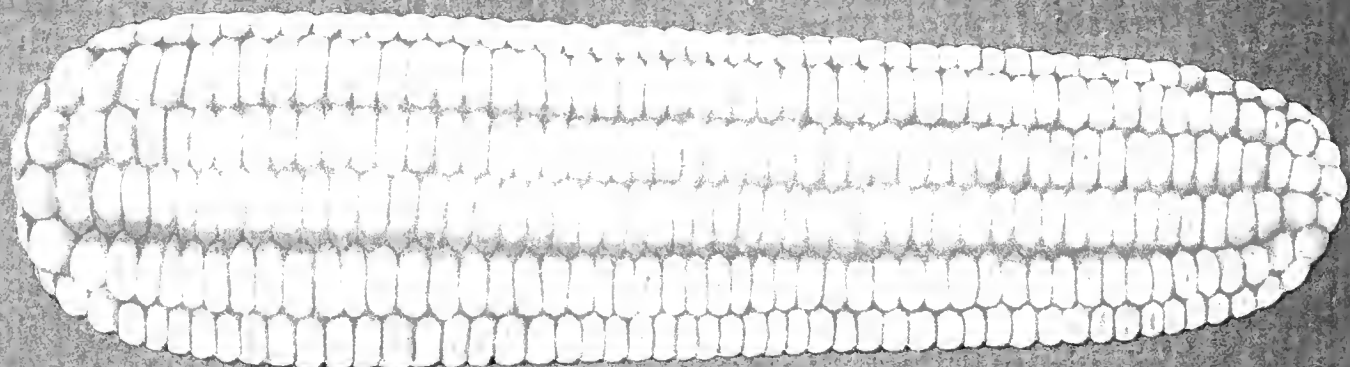
On orders mailed before February 1 we will allow the following discounts from the Spring, 1935, Prices, shown above:  
On "AAA" Chicks, 2c per chick discount; on "AA" Chicks, 1c per chick discount. No discounts on Assorted or "A" Quality Chicks. A deposit of only \$1.00 at this time holds any size order for spring delivery, saves you these discounts.

### GUARANTEED DELIVERY

We Guarantee 100% live delivery of the number of chicks ordered, to reach you in good condition and just as represented to you in our advertising. If you do not receive 100% of the number of chicks ordered, alive and in good condition, have your delivery agent sign a statement of loss and mail to us within 24 hours after receipt of shipment. We will replace all dead or missing chicks, or refund money.

# BUCHANAN'S

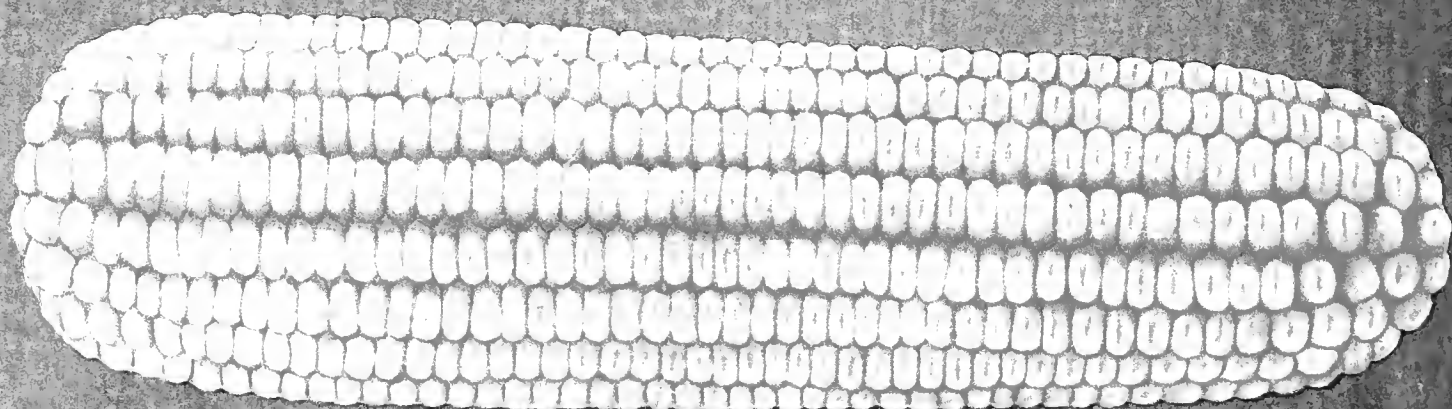
SEEDS *for* 1935



1136 - BUCHANAN'S MOSBY PROLIFIC CORN



1144 - BUCHANAN'S GOLDEN PROLIFIC CORN



1125 - BUCHANAN'S PAYMASTER CORN

**R.B. BUCHANAN SEED CO.**

BUCK BRAND TESTED SEEDS

18 S. FRONT ST.

MEMPHIS, TENN.